



# **2015 INDEX**

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# ■ TEST AND LABORATORY



Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our standard products and assist with new product design and development.



# ■ DESIGN AND DEVELOPMENT



The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



# FORGING

The Forming machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. However, ordinary forging machines are also used for small production runs.









The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.







To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.







Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.









Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.

The Flat contact reduces wear and allows to transmit a higher torque value.

The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de Contacto Plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir un par mayor.

El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca hexagonal o bi-hexagonal del vaso.



# **SOCKETS**



# SURFACE DRIVE





Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear.



These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca.

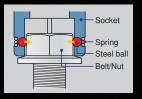
Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.

# **NUT GRIP®**





Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

# **PATHFINDER®**





The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.







# **RATCHET HANDLE**





# S.O.D.H-System®

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly.

The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Los dos trinquetes del cuerpo de la llave de carraca y sus muelles están dispuestos en el cuerpo de la llave de forma que se mantienen firmemente en posición permitiendo un cambio suave de la palanca de inversión y del trinquete.

El par sobre la rueda dentada se transmite verticalmente al trinquete, y al mismo tiempo al mango de la llave de carraca. Este mecanismo bloquea firmemente los dientes mientras se aplica el par, evitando así el deslizamiento de los mismos.





# **Two-Step Dog**

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Los dientes de la rueda de la llave de carraca se inmovilizan por medio de dos dientes aumentando de esta forma el par máximo de la llave en comparación con el sistema de un paso.





# Three-Step Dog

Two dogs are set in the same axis, and the three teeth hold the ratchet gear.

The enlarged contact area produces about 10% higher torque value and the S.O.D.H-System provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.

El aumento de la superficie de contacto produce un aumento de par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.









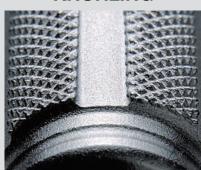
# **OVAL SHAPE SHANK**



Unique designed oval shape shank provides extra strength and durability.

El particular diseño de caña de sección Ovalada proporciona más resistencia y duración.

# **KNURLING**



Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.

Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.



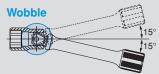
# **WOBBLE-FIX**



One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

Una, como alargadera flexible que permite trabajar con un ángulo de  $15^{\circ}$ ,otra,como alargadera normal.



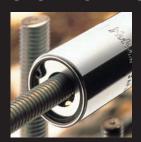






# STUD BOLT PULLER/SETTER

# **STUD BOLT PULLER**



The body design was changed to hexagonal shape to minimize tolerances. This shape is also effective to lessen excessive load on cages and rollers inside the body.

# **RATCHET PULLER**



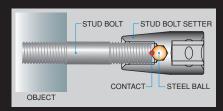
Puller for tightening stud bolts. Go-through body allows puller to grip the stud bolt at any position along the stud. Three-roller protects the bolt from damage.





# STUD BOLT SETTER

Special socket for installing a stud bolt. The bolt contacts with a steel ball to prevent the bolt from sticking onto the socket. After installing the bolt, turn anti-clockwise to remove the socket.

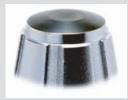






# BLACK FINISHED HEAD

The top of Attack Driver is manganese phosphate treated to prevent chrome peeling off the head when it is struck.



# 11 3 HEAT TREATMENT FOR ANTI-CRACK

Special Heat treatment is applied on the parts of Attack Driver. Hardness of Striking head is slightly softer to prevent cracking. The cam part has higher hardness to improve anti-wear.

# SPRING

Strong spring is used to convert the striking power efficiently into twisting power.



# BODY SHAPE

Original body shape allows stronger grip. It makes it easier to convert the striking power into twisting power.











# SPINNING CROSS WRENCH

The shaft of cross wrench turns freely within the knurled grip. The cross bar is removable for easy storage in a compact space.





# **FLEXIBLE SPEEDER**

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.





# **SPINNING SLIDE T-HANDLE**

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.



# IMPACT WHEEL NUT SOCKET



# SPARK PLUG SOCKET

# **CLIP TYPE**

It is designed to grip a spark plug securely at its hexagonal part by two stainless spring clips.

Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

The brass guide also eliminates stress loading and possible damage to the ceramic insulator.



## License

# TORX®/ TORXpless® & LHStix®

TORX\*/ION\* and LHSTIX\* are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

TORX\*/ IORX\*\* y LHSTIX\* están reconocidos como los tres sistemas más efectivos de fijación debido a su mayor capacidad de transmitir par, reducir el par final y eliminar completamente el deslizamiento de la herramienta.

TORX® & TORX plus®







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LHSTIX®











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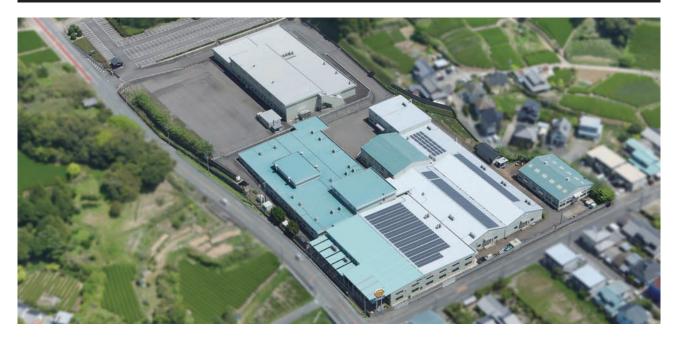
LMsttix՝ es una marca registrada de OSG CORPORATION System Engineering Department. **Кожео то**ուշո,ւrո. cuenta con licencia oficial para uso de la marca ևտ**ւ**stix։՝

# **Registered Trademarks**



# 山下工業研究所 山下工研 S.O.D.H-System® S.O.D.H-System® Flatdrive® ATTACK DRIVER® HANDY-ENDY® PATHFINDER® Nut Grip® LOCK NUT BUSTER® NUT TWISTER® BOLT TWISTER®

# Aerial Photograph



# Warranty

# **WARRANTY**

The trade mark **Koken** is your unqualified warranty against any defect in material or workmanship. Each **Koken** tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any **Koken** tool which fails because of defective material or workmanship will be repaired or replaced through your **Koken** dealer, to the exclusion of any further liability.

### **GARANTIA**

La marca **Koken** es la garantía incondicional contra cualquier defecto de materiales o de fabricación. Todas las herramientas **Koken** están fabricadas para satisfacer con creces las exigencias del uso previsto y se inspeccionan meticulosamente antes de su expedición. Las herramientas **Koken** que fallen por defectos de materiales o de fabricación se repararán o reemplazarán a través del distribuidor **Koken** correspondiente, excluyendo cualquier otra responsabilidad.

# ISO9001









# **GENERAL / CONSIDERACIONES GENERALES**

- (a) Make sure you use the right type socket, whose opening fit the nut.Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.
- (b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only. Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.
- (c) When using nut runners or IMPACT Wrenches wear safety goggles. Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad.
- (d) Plastic or rubber handles are not intended to act as insulation.
   Los mangos de goma o de plástico no están previstos para aislamiento
- (e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket.
   No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.

# **SOCKETS / VASOS**

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Los vasos que presenten paredes agrietadas, cantos machacados u otros signos de desgaste deben reemplazarse.

# HANDLES / MANGOS

A ratchet is not a hammer

Una llave de carraca no es un martillo.

evitar la rotura y posibles lesiones.

Never use loose pipes or other improvised attachments on handles for increased leverage.

No utilizar nunca tubos sueltos u otras herramientas improvisadas con los mangos para aumentar el brazo de palanca.

# **EXTENSION BARS / ALARGADERAS**

The combination of several short extensions instead of one correct sized one is to be avoided.

Debe evitarse combinar varias alargaderas cortas en lugar de una sola alargadera de longitud correcta.

# **ADAPTORS / ADAPTADORES**

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Los adaptadores se deben utilizar razonablemente. Debe tenerse en cuenta que al utilizar adaptadores "para menor diámetro", mayor mango en un vaso conductor más pequeño, se consiguen pares superiores al necesario. Mantenerse siempre dentro de límites seguros.



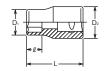
Hand Sockets



Hand Sockets 1/4

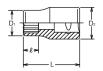












# RS2400M/11 Socket Set on Rail Juego de Vasos en Regleta

RS2405M/11



# RS2405A/9



RS2400A/9 Socket Set on Rail Juego de Vasos en Regleta

	2400M 2405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
	3	5.5	11.2	2.6	22	7	10
New	3.5	6.1	11.2	3	22	7	10
	4	6.7	11.2	3.5	22	8	10
	4.5	7.3	11.2	4	22	8	10
	5	8	11.2	5	22	8	10
	5.5	8.5	11.2	5.5	22	9	10
	6	9.2	11.2	5.5	22	9	10
	7	10.3	11.2	6	22	9	10
	8	11.2	11.7	6.9	22	11	10
	9	13	12	7.3	22	12	10
	10	14.3	12.9	7.7	22	15	10
	11	15.5	14.3	9.3	22	18	10
	12	16.8	15.5	9.3	22	23	10
	13	18	16.4	9.8	22	23	10
	14	19.3	17.9	11	24	30	10

2400A 2405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	5.7	11.2	2.7	22	7	10
5/32	6.7	11.2	3.5	22	8	10
3/16	7.8	11.2	5	22	8	10
7/32	8.5	11.2	5.5	22	9	10
1/4	9.6	11.2	5.8	22	9	10
9/32	10.3	11.2	6	22	9	10
5/16	11.2	11.7	6.9	22	11	10
11/32	12.5	11.7	7.3	22	12	10
3/8	13.7	12.5	7.7	22	15	10
7/16	15.5	14.3	9.3	22	18	10
1/2	18	16.4	9.8	22	23	10
9/16	19.3	17.9	11	24	30	10

RS2400M/11	11 Pieces Set/Rail 200mm	₫∄ (g)
4, 5, 6, 7, 8,	, 9, 10, 11, 12, 13, 14	222

RS2405M/11	11 Pieces Set/Rail 200mm	₫ <u>Ђ</u> (g)
4, 5, 6, 7, 8	. 9. 10. 11. 12. 13. 14	222

RS2400A/9	9 Pieces Set/Rail 150mm	₫ <u>¯</u> (g)
3/16, 7/32, 1/4, 9/3	2, 5/16, 11/32, 3/8, 7/16, 1/2	162

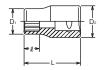
RS2405A/9	9 Pieces Set/Rail 150mm	(g) (\alpha\alpha
3/16, 7/32, 1/4, 9/32, 5	5/16, 11/32, 3/8, 7/16, 1/2	162

Hand Sockets

# AS2405A









## Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

D<sub>2</sub> (mm)

10.9

10.9

10.9

10.9

11.7

12.9

14.3

16.4

17.9

12

7.7

8.5

9.4

10.2

11.3

12.5

13.7

15.6

17.2

18.8

AS2405/ (inch)

3/16

7/32

1/4

9/32

5/16

11/32

3/8

7/16

1/2

9/16

RSAS2405A/10	10 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/	16, 11/32, 3/8, 7/16, 1/2, 9/16	160

ℓ (mm)

4.5

4.9

5.3

5.5

6.4

6.8

6.8

8.8

8.9

9.1

22

22

22

22

22

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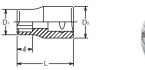
110/102 100/110	10 Fiebes Cerrian reenim	(g)
3/16, 7/32, 1/4,	9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	160

2410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

RS2410M/11	11 Pieces Set/Rail 200mm	₫¼ (g)
4, 5, 6, 7, 8	, 9, 10, 11, 12, 13, 14	222

RSAS2405A/10	Socket Set on Rail Juego de Vasos en Regleta	SAE AS95
		1



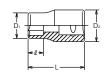




# Socket Set on Rail Juego de Vasos en Regleta RS2410M/11

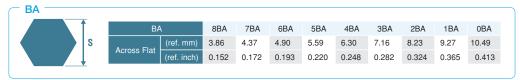
# 2400W-BA







2400W (BA)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	(g)	(pcs.)
8	6.1	11.2	3	22	7	10
7	7.3	11.2	4	22	8	10
6	8	11.2	5	22	8	10
5	8.5	11.2	5.5	22	9	10
4	9.6	11.2	5.8	22	9	10
3	10.3	11.2	6	22	9	10
2	11.2	11.7	6.9	22	11	10
1	13	12	7.3	22	12	10
0	14.9	13.6	8	22	16	10



RS2400W/9-BA	9 Pieces Set/Rail 150mm	Д¯Д (g)		
8, 7, 6, 5, 4, 3, 2, 1, 0				
0, 1, 0, 3	, 4, 0, 2, 1, 0	120		



2415M • 2415A Double Square Sockets Vasos Octagonales







2425 O TORX® Sockets Vasos TORX®





RS2425/6 Socket Set on Rail Juego de Vasos en Regleta



2450MS 🔘



Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®







RS2450MS/6



Socket Set on Rail
Juego de Vasos en Regleta



2300X



6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



RS2300X/11



Socket Set on Rail
Juego de Vasos en Regleta

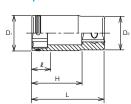


2350X 🔾



Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos





2415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫₫ (g)	(pcs.)
6	11	11.7	5.4	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10
2415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	11	11.7	5.4	22	14	10
5/16	14.3	12.9	6.8	22	17	10
3/8	17.4	16	8.2	22	26	10

2425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

RS2425/6	6 Pieces Set/Rail 150mm	₫Д (g)
	E4, E5, E6, E7, E8, E10	85

2450MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.3	11.2	4	18	8	10
8	12.3	11.2	5	18	9	10
10	14.3	12.9	6	19	13	10
12	17.4	16	7	20	22	10
13	18	16.4	8	20	22	10
14	19.9	18	8.5	22	31	10

RS2450MS/6	6 Pieces Set/Rail 150mm	₫Д (g)
	7, 8, 10, 12, 13, 14	120

2300X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4	6.7	11.2	4	22	32	10	10
5	8	11.2	5.5	22	32	11	10
6	9.2	11.2	7	22	32	12	10
7	10.5	11.2	8	22	32	13	10
8	11.8	11.2	9	22	32	16	10
9	13	12	10	22	32	18	10
10	14.3	12.9	11	21	32	23	10
11	15.5	14.3	12	21	32	27	10
12	16.8	15.5	13	21	32	29	10
13	18	16.4	14	21	32	32	10
14	19.3	17.9	16	20	32	37	10

RS2300X/11	11 Pieces Set/Rail 200mm	₫Д (g)
4, 5, 6, 7	7, 8, 9, 10, 11, 12, 13, 14	300

	2350X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	8	12.3	11.2	5	22	32	17	10
New	10	14.2	12.9	6	22	32	22	10
New	12	17.3	16	7	22	32	34	10
New	14	20	18	8.5	22	32	43	10

Hand Sockets

2300M 2305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2300A 2305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	5.7	11.2	3.5	40	50	15	10
5/32	6.7	11.2	4	40	50	15	10
3/16	7.8	11.2	5.5	40	50	17	10
7/32	8.5	11.2	6	40	50	17	10
1/4	9.8	11.2	7	40	50	25	10
9/32	10.5	11.2	8	40	50	25	10
5/16	11.8	11.2	9	40	50	25	10
11/32	12.5	11.7	10	40	50	30	10
3/8	13.7	12.5	11	40	50	34	10
7/16	15.5	14.3	12	39	50	43	10
1/2	18	16.4	14	39	50	52	10
9/16	19.3	17.9	16	38	50	57	10

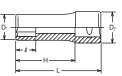
RS2300M/11	11 Pieces Set/Rail 200mm	₫Д (g)				
4, 5, 6, 7, 8	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14					
RS2305M/11	11 Pieces Set/Rail 200mm	₫Д (g)				
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14						



2300W (BA)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	9.8	11.2	7	40	50	22	10
3	10.5	11.2	8	40	50	25	10
2	11.8	11.2	9	40	50	25	10
1	13	12	10	40	50	30	10
0	14.9	13.6	12	39	50	38	10

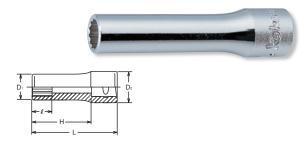
# 2300M • 2300A O 6-point Deep Sockets Vasos Hexagonales Largos





# 2305M · 2305A





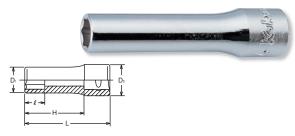
Socket Set on Rail
Juego de Vasos en Regleta RS2300M/11 RS2305M/11 ШШ

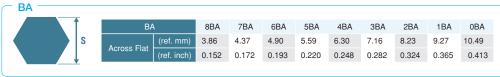






### 6-point Deep Sockets Vasos Hexagonales Largos 2300W-BA







AS2305A 12-point Deep Sockets, AS954 Vasos Bihexagonales Largos, AS954





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RSAS2305A/10







2310M



Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos



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RS2310M/11



Socket Set on Rail
Juego de Vasos en Regleta



2325



TORX® Deep Sockets Vasos TORX® Largos

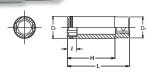


2350M



Nut Grip Deep Sockets **Nut Grip**® Vasos Sujeta-tuercas Largos **Nut Grip**®





AS2305A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3/16	7.7	10.9	4.5	40	50	17	10
7/32	8.5	10.9	4.9	40	50	17	10
1/4	9.4	10.9	5.3	40	50	19	10
9/32	10.2	10.9	5.5	40	50	18	10
5/16	11.3	11.7	6.4	40	50	23	10
11/32	12.5	12	6.8	40	50	24	10
3/8	13.7	12.8	6.8	39	50	31	10
7/16	15.6	14.2	8.8	39	50	38	10
1/2	17.2	16.2	8.9	39	50	42	10
9/16	18.8	17.1	9.1	38	50	47	10

Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

RSAS2305A/10	10 Pieces set/Rail 150mm	Ø∑ (g)
3/16, 7/32, 1/4, 9/32,	5/16, 11/32, 3/8, 7/16, 1/2, 9/16	307

2310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

RS2310M/11	11 Pieces set/Rail 200mm	ДД (g)
4, 5, 6, 7, 8	9, 10, 11, 12, 13, 14	437

2325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫'∄ (g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10

2350M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12.3	11.2	5	40	50	30	10
10	14.2	12.9	6	39	50	35	10
12	17.3	16	7	39	50	55	10
14	19.9	18	8.5	38	50	70	10

2440M 2445M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	Д́Д (g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10

2440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫₫ (g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

10

10.5

10.5

37

37

37

21

26

28

10

10

10

12

13

14

16.7

19.2

18

13

13

13

2445A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	(g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

RS2445A/9 9 Pieces set/Rail 150mm	₫₫ (g)
3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	220

AS2445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

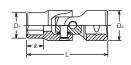
Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

2440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

2441M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.3	13	4	33	19	10
8	12.3	13	5	32	19	10
10	14.5	13	6	32.5	21	10
12	16.8	13	7	34	21	10
13	18	13	8	35	21	10
14	20	13	8.5	37	28	10



2440M • 2440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal

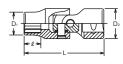




# 2445M · 2445A



12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





# RS2445A/9



Socket Set on Rail Juego de Vasos en Regleta ШШ

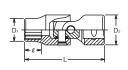


# **AS2445A**



12-point Universal Sockets, AS954 Vasos Bihex con Articulación Universal, AS954



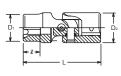




# 2440T



TORX® Universal Sockets Vasos TORX® con Aritculación Universal

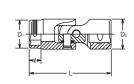




# 2441M



Nut Grip Universal Sockets **Nut Grip**® Vasos Sujeta-Tuercas con Articulación Universal

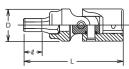




# Hand Sockets 1/4





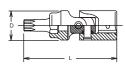


2430 (mr	D (mm)	لا (mm)	L (mm)	₫₫ (g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10



2430T TORX® Universal Sockets Vasos TORX® con Articulación Universal





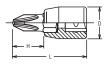
2430T (T)	D (mm)	L (mm)	₫Д (g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

2000-28 (PH)



Phillips Bit Sockets Vasos con Punta Phillips



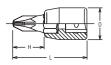


2000.28 (PH)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

2000-28 (PZ) PZ Bit Sockets Vasos con Punta PZ





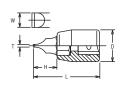


2000.28 (PZ)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10



2005-25 Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada





2005.25	T×W (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	0.5× 3	11.9	9	25	9	10
4	0.8× 4	11.9	9	25	10	10
5	1.0× 5.5	11.9	9	25	10	10
6	1.2× 6.5	13.1	9	25	11	10
8	1.2× 8	13.1	9	25	12	10
9	1.6× 8	13.1	9	25	12	10
10	1.6×10	14.3	9	25	13	10

Hand Sockets

2010M.25 1.5 11.9 11.9 2.5 11.9 11.9 11.9 11.9 11.9 13.1 13.1 

2010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10

14.3

2010A.25 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	11.9	9	25	9	10
5/32	11.9	9	25	9	10
3/16	11.9	9	25	10	10
7/32	11.9	9	25	11	10
1/4	11.9	9	25	12	10
9/32	13.1	8	25	12	10
5/16	13.1	8	25	14	10
3/8	14.3	8	25	17	10

RS2010M/7-L25	7 Pieces set/Rail 150mm	(g) TA		
3, 4, 5	115			
RS2010A/8-L25	8 Pieces set/Rail 150mm	(g)		
1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8				

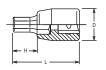
2011N (mn	D (mm)	H (mm)	L (mm)	₫¹∆ (g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	11.9	34	50	18	10

Ball point bit sockets have less strength due to the special design. Make sure to use



# 2010M-25 · -100 2010A-25









# RS2010M/7-L25 RS2010A/8-L25



Socket Set on Rail
Juego de Vasos en Regleta



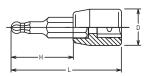




Ballpoint Inhex Bit Sockets Vasos con Punta de Bola Inhex











2020.28 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M4	11.9	12	28	12	10
M5	11.9	12	28	12	10
M6	11.9	12	28	13	10
M8	13.1	11	28	14	10

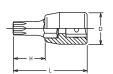
2020.50 (XZN)	D (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)
M4	11.9	34	50	20	10
M5	11.9	34	50	20	10
M6	11.9	34	50	22	10
M8	13.1	33	50	24	10

2025-28 · -80 (T)



TORX® Bit Sockets Vasos con Punta TORX®

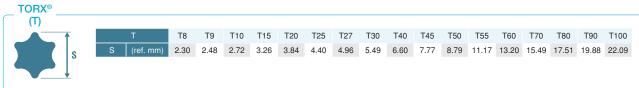






2025.28 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

2025.80 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	11.9	64	80	40	10
T15	11.9	64	80	40	10
T20	11.9	64	80	42	10
T25	11.9	64	80	42	10
T27	11.9	64	80	45	10
T30	11.9	64	80	45	10
T40	11.9	64	80	50	10



RS2025/7-L28



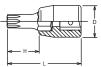
Socket Set on Rail
Juego de Vasos en Regleta

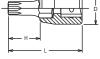












RS2025/7-HOLE Socket Set on Rail Juego de Vasos en Regleta





Tamper Resistant TORX $^{\circ}$  Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.

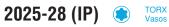
RS2025/7-L28	7 Pieces set/Rail 150mm	₫¼ (g)
T10, T15, T20,	T25, T27, T30, T40	119

2025.28 (TH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10H	11.9	12	28	10	10
T15H	11.9	12	28	10	10
T20H	11.9	12	28	11	10
T25H	11.9	12	28	11	10
T27H	11.9	12	28	12	10
T30H	11.9	12	28	12	10
T40H	11.9	12	28	13	10

RS2025/7-HOLE	7 Pieces set/Rail 150mm	₫Д (g)
T10H, T15H, T20H, T	25H, T27H, T30H, T40H	119

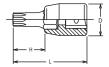


2025.28 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10





TORX PLUS® Bit Sockets Vasos con Punta TORX PLUS®





Hand Sockets



IF	,	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S	(ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

RS2025/7-IP	7 Pieces set/Rail 150mm	Д¯Д (g)
10IP, 15IP, 20IP,	25IP, 27IP, 30IP, 40IP	119

H (mm)

12

12

12

12

12

12

12

12

12

28

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28

28

28

28

10

10

10

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11

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10

10

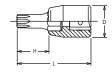




# 2025-28 (PR)



Penta-Lobe Bit Sockets, with Hole Vasos con Punta de Cinco Lóbulos, con agujero





# Penta-Lobe

2025.28 (PR)

8PR

9PR

10PR

15PR

20PR

25PR

27PR

30PR

40PR

11.9

11.9

11.9

11.9

11.9

11.9

11.9

11.9

13.1



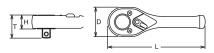
PR		8PR	9PR	10PR	15PR	20PR	25PR	27PR	30PR	40PR	45PR	50PR	55PR
S (r	ref. mm)	2.19	2.36	2.58	3.10	3.64	4.12	4.71	5.23	6.30	7.38	8.35	10.63

RS2025/7-PR	7 Pieces set/Rail 150mm	₫∄ (g)	
10PR, 15PR, 20PR, 25PR, 27PR, 30PR, 40PR			



Reversible Ratchet Short Llave de Carraca Reversible Corta 2753PS











\* Renewal Kits → 2753RK → P28

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2753PS	22	18.7	11.4	75	55	5

### Reversible Ratchet Llave de Carraca Reversible 2753N





\* Renewal Kits → 2753RK → P286

Reversible Ratchet Llave de Carraca Reversible 2753P





\* Renewal Kits → 2753RK → P2

### Reversible Ratchet Llave de Carraca Reversible 2753J





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2753N	22	18.7	11.4	115	90	10
2753P	22	18.7	11.4	115	87	10
2753J	22	18.7	11.4	115	77	5







* Renewal Kits → 2753RK	<b>→</b> P2

	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
2753P-160	22	18.7	11.4	160	107	5

Hand Sockets







\* Renewal Kits → 2753BRK → P286







\* Renewal Kits → 2753BRK P28









\* Renewal Kits → 2753BRK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2753NB	22	18.7	11.4	115	90	10
2753PB	22	18.7	11.4	115	87	10
2753JB	22	18.7	11.4	115	77	5

Reversible Ratchet with quick release button has less strength compared with normal Reversible Ratchet with quick release with the same to use the ratchet due to the technical design. Make sure to use the ratchet correctly.



\* Renewal Kits - 2752RK - P286

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2752N	26.5	19.8	12.5	125	95	10





\* Renewal Kits - 2753RK - P28





\* Renewal Kits → 2753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2774PS	22	18.7	11.4	116	110	5
2774JS	22	18.7	11.4	116	113	5

# 2753NB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida





2753PB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida





2753JB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida



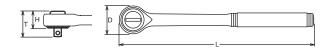


T H		
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# 2752N

Reversible Ratchet Llave de Carraca Reversible





# 2774PS

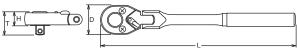
Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible



# 2774JS

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





# 2774N Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





\* Renewal Kits → 2753RK → P286

2774P Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





**2774J** Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible



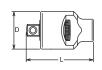


|--|

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2774N	22	18.7	11.4	161	130	2
2774P	22	18.7	11.4	161	126	2
2774J	22	18.7	11.4	161	130	2

2755 Ratchet Adaptor Adaptador de carraca







\* Renewal Kits → 2755RK → P288

	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
2755	26	40	80	10

# 2756 Quick Spinner Disco de giro Rápido









	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	⇒ (pcs.)
2756	22	20	19	10

# Plexible Extension Bar Alargadera Flexible



_	

	D (mm)	L (mm)	∆~∆ (g)	(pcs.)
2762	13	300	90	2

1/4" Hand Sockets

2760	D (mm)	L (mm)	₫∄ (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	35	10
100	12.3	100	44	10
150	12.3	150	63	10
200	12.3	200	83	10
250	12.3	250	103	10
300	12.3	300	122	2
350	12.3	350	145	2
400	12.3	400	160	2
600	12.3	600	240	2

PK2760/6	6 Pieces Set/∆ि∆=430g
PLASTIC TRAY	
Extension Bars	
<b>2760</b> Extension Bars 28, 50, 100, 150, 200, 250	



2763	D (mm)	L (mm)	₫Д (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	33	10
100	12.3	100	43	10
150	12.3	150	62	10
200	12.3	200	80	10
250	12.3	250	100	10

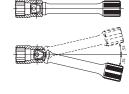
PK2763/6	6 Pieces Set/ὧ∄=420g
PLASTIC TRAY	
Extensio	n Bars
2763 Wobble-Fix Extension Bar	
28, 50, 100, 150, 200, 250	

# Wobble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

# Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

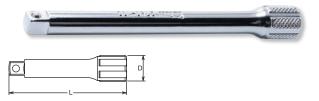
\* Renewal Kits - 2768RK - P288

\* Renewal Kits → 2768RK → P288

\* Renewal Kits - 2768RK - P288

	D (mm)	L (mm)	₫Д (g)	(pcs.)
2768N	14	130	86	10
2768P	14	130	70	10
2768J	14	130	73	5

2760-28 · -50 · -75 · -100 · -150 · -200 · -250 · -300 · -350 · -400 · -600

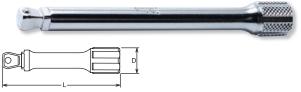


PK2760/6



2763-28 · -50 · -75 · -100 · -150 · -200 ·

Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas -250



PK2763/6



Hinge Handle Mango Articulado 2768N



Hinge Handle Mango Articulado 2768P



2768J



2769N-150 · -220 Spin Type Handle Mango Tipo Destornillador

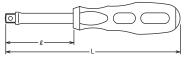


1 Solicon

2769N	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
150	50	150	68	2
220	120	220	100	2

Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento.





# 2769NWF-150 · -220

Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulados-Fijos

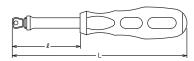






2769NWF	لا (mm)	L (mm)	₫¼ (g)	(pcs.)
150	50	150	68	2
220	120	220	100	2



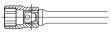


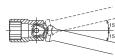
### Wohble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at  $15^{\circ}$  angle operation, the other for use as a normal extension bar. This usage is Patent.



Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de  $15^{\circ}$  y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



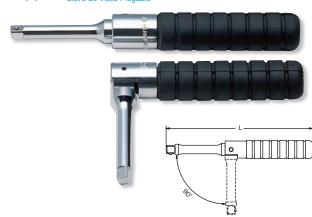


### Spin Type Handle Mango Tipo Destornillador 2769F

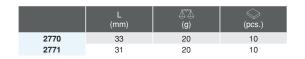


	ℓ (mm)	L (mm)	<b>₫</b> ፟፟፝፞∆ (g)	(pcs.)
2769F	78	150	90	5

### Folding Socket Driver Llave de Vaso Plegable 2769H



	L (mm)	₫ <u>¼</u> (g)	(pcs.)
2769H	160	180	10



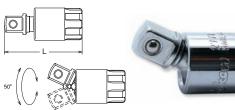




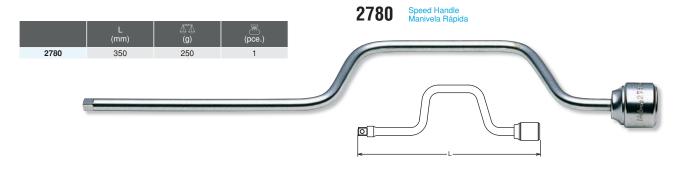




#### Universal Joint Articulación Universal 2771









	L (mm)	(g)	© (pcs.)
2785	115	36	10

ា		
	L>	

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)
2233A	1/4"	3/8"	22	16	10







#### 2201AM

Socket Set Juego de Vasos



2201AM

METAL CASE:W240×H100×T32mm

Sockets

Accessories

2400M 6-pt. Sockets
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13

2400A 6-pt. Sockets
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

2769N-150

2770

2785

#### 2203M · 2203A

Socket Set Juego de Vasos



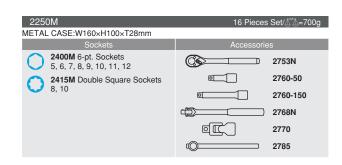
2203M	12 Pieces Set/ຝືຟ=550g
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
<b>2400M</b> 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8 9, 10, 11, 13	стте,∭∭ 2769Н
2203A	10 Pieces Set/△△=550g
METAL CASE:W160×H100×T28mm	

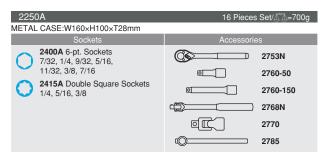
2769H

**2400A** 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

## 2250M • 2250A Socket S Juego de



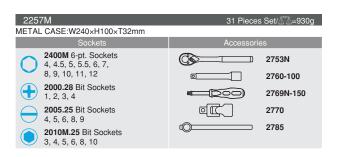




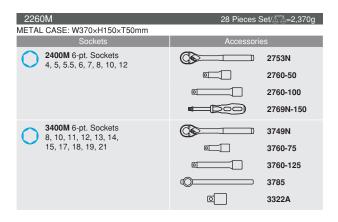
2254M	12 Piece	s Set/ὧື∄=450g
METAL CASE:W160×H100×T28mm		
Bits	Accessori	
101P Phillips Bits 1, 2, 3		102NA-1/4×5/16
101S Slotted Bits 1×7, 1.2×7		2769F
101H Hex Bits 3, 4, 5		101A 2137

### 2254M Bit Set Juego de Puntas



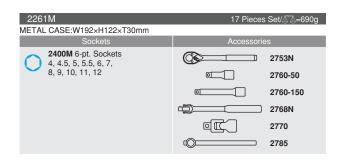
















2262M	13 Pieces Set/ὧື∆=470g
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
<b>2400M</b> 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2760-50 2768N

2262M Socket Set Juego de Vasos







Hand Sockets 1/4"

2275 Sockets Set Juego de Vasos



2275 METAL CASE:W192×H122×T30mm	19 Pieces	s Set/ὧື/≟=880g
Sockets	Accessori	es
<b>2400M</b> 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13		2753N
2000.28 Bit Sockets 1, 2, 3		2763-50 2769N-150
2005.25 Bit Sockets 6, 8		270914-150
<b>2010M.25</b> Bit Sockets 3, 4, 5, 6		

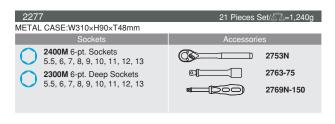
2276 Sockets Set with Bits and Accessories Juego de vasos con Puntas y Accesorios



2276	19 Piece	es Set/ᡌ᠋//=640g
METAL CASE:W192×H122×T30mm		
Bits	Accesso	ries
108P Phillips Bits 1, 2, 3		2753PS
108S Slotted Bits 4, 5, 6		2769N-150 2137
108H Hex Bits 3, 4, 5, 6	ш_	2137
108T TORX® Bits T10, T15, T20, T25, T27, T30		

2277 Sockets Set Juego de Vasos

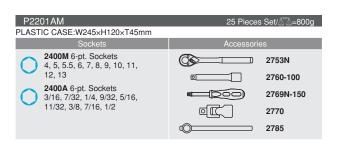


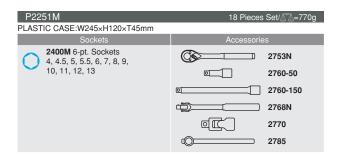


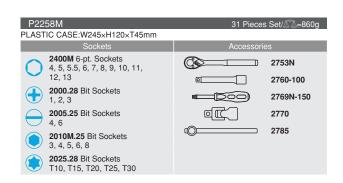
2277A-12P Sockets Set Juego de Vasos

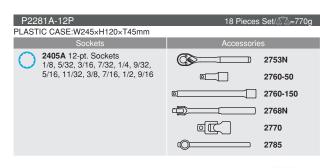


2277A-12P	21 Pieces Set/௴∄=1,240g		
METAL CASE:W310×H90×T48mm			
Sockets	Accessories		
2405A 12-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	2753N 2763-75		
2305A 12-pt. Deep Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	2769N-150		









#### P2201AM Sockets Set Juego de Vasos



# P2251M Sockets Set Juego de Vasos



### P2258M Sockets Set Juego de Vasos



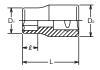
## P2281A-12P Sockets Set Juego de Vasos





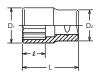












# **FLAT DRIVE**®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

RS3400M/8 Socket Set on Rail Juego de Vasos en Regleta





RS3405M/8 





RS3400M/12 Socket Set on Rail Juego de Vasos en Regleta



R\$3405M/12





RS3400A/9



Socket Set on Rail
Juego de Vasos en Regleta

RS3405A/9



3400M 3405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	لا (mm)	L (mm)	₫∄ (g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

	3400A 3405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
New	3/16	8.3	17.3	5	26	20	10
	1/4	10.3	17.3	6	26	20	10
New	9/32	10.8	17.3	6.5	26	20	10
	5/16	12	17.3	7	26	22	10
	11/32	13.3	17.3	7.5	26	23	10
	3/8	13.9	17.3	8	26	23	10
New	13/32	13.3	17.3	7.5	26	23	10
	7/16	15.8	17.3	8.5	26	25	10
	1/2	18	17	9.5	26	24	10
	9/16	19.5	18.5	11	27	31	10
	19/32	20.8	19.5	11.5	28	39	10
	5/8	22	20	12	28	42	10
	11/16	24.5	22.5	13	30	51	10
	3/4	25.8	23.5	13.5	30	63	10
	25/32	27	24.5	14	31	75	10
	13/16	28	26	14.5	32	77	10
	7/8	29.5	26.5	15	32	82	10
	15/16	32	28.5	16	34	102	10

RS3400M/8	8 Pieces Set/Rail 200mm	₫Д (g)
	8, 10, 11, 12, 13, 14, 17, 19	300
RS3405M/8	8 Pieces Set/Rail 200mm	₫¼ (g)
	8, 10, 11, 12, 13, 14, 17, 19	300

RS3400M/12	12 Pieces Set/Rail 300mm	₫¼ (g)			
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19					
RS3405M/12	12 Pieces Set/Rail 300mm	₫Д (g)			

RS3400A/9	9 Pieces Set/Rail 200mm	₫Д (g)
1/4, 5/16, 3/8, 7/1	6, 1/2, 9/16, 5/8, 11/16, 3/4	333
RS3405A/9	9 Pieces Set/Rail 200mm	₫Д (g)
4/4 5/40 0/0 7/4	6 1/2 0/16 5/9 11/16 3/4	222

3410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	5.8 17.3		26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

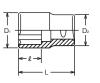
RS3410M/12	12 Pieces Set/Rail 300mm	₫Д (g)
8, 9, 10, 11, 12, 1	3. 14. 15. 16. 17. 18. 19	468

3400W 3405W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	
1/8	13.3	17.3	7.5	26	22	10	
3/16	15.8	17.3	8.5	26	25	10	
1/4	18	17	9.5	26	24	10	
5/16	20.8	19.5	11.5	28	39	10	
3/8	24.5	22.5	13	30	51	10	
7/16	28	26	14.5	32	81	10	
1/2	30.8	27.5	15.5	33	103	10	
9/16	34.5	30.5	17	35	128	10	

#### 3410M (



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





### **SURFACE DRIVE**

esigned to retain contact with flat sides of nut to transmit wear. These sockets are ideal for use on polished nuts, Surface drive sockets are designed to retain high torque and reduce nut wear. These soc aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

### RS3410M/12



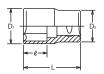
Socket Set on Rail
Juego de Vasos en Regleta



#### 3400W



6-point Whitworth Sockets Vasos Hexagonales Whitworth





#### 3405W









	BS⋅W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
3	B2.M	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
	Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

RS3400W/7	7 Pieces Set/Rail 200mm	₫₫ (g)
1/8, 3/16, 1/4, 5/16,	, 3/8, 7/16, 1/2	389

RS3405W/7	7 Pieces Set/Rail 200mm	₫∄ (g)
1/8, 3/16, 1/4, 5/16	, 3/8, 7/16, 1/2	389

3415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
6	12	17.3	6	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10

3415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	12	17.3	6	26	24	10
5/16	14.5	17.3	7	26	26	10
11/32	15.8	17.3	7.5	26	27	10
3/8	16.8	17.3	8	26	27	10
7/16	19.5	18.5	8.5	27	37	10
1/2	22	20	9.5	27	46	10

### RS3400W/7 RS3405W/7



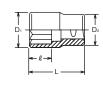




### 3415M · 3415A



Double Square Sockets Vasos Octagonales













3425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.6	17.3	4.6	26	18	10
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E11	13.3	17.3	8.7	26	25	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18	17	11.8	26	27	10

**TORX**® (E)

<b>†</b>	E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
s	S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

RS3425/9



Socket Set on Rail
Juego de Vasos en Regleta



RS3425/9 9 Pieces Set/Rail 200mm E4, E5, E6, E7, E8, E10, E12, E14, E16 239

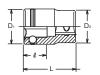
3425(2B)



TORX® Sockets Nut Grip® Vasos TORX® Nut Grip®







3425 (2B) D<sub>1</sub> (mm) D<sub>2</sub> (mm) ℓ (mm) ₫₫ (g) E10 12 17.3 8.2 26 23 10 E12 14.5 17.3 9.3 26 25 10 E14 15.8 17.3 10.6 26 26 10 E16 18.1 11.8 27 10 E18 19.5 18.5 12 32 41 10 E20 21.9 20 14.4 32 52 10

RS3425/4(2B)



Socket Set on Rail Juego de Vasos en Regleta





RS3425/4(2B) 4 Pieces Set/Rail 150mm E10, E12, E14, E20 150

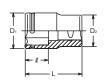
3450M



Nut Grip Sockets **Nut Grip**® Vasos Sujeta-tuercas **Nut Grip**®







RS3450M/8



Socket Set on Rail Juego de Vasos en Regleta



RS3450M/10



Socket Set on Rail Juego de Vasos en Regleta



3450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	Д Д (g)	(pcs.)
8	12	17.3	5	26	21	10
10	14.5	17.3	6	26	24	10
11	15.8	17.3	6.5	26	26	10
12	16.8	17.3	7	26	26	10
13	18	17	8	26	28	10
14	19.5	18.5	8.5	27	34	10
15	20.8	19.5	9	27	42	10
16	22	20	9	27	50	10
17	23.3	21.5	9.5	28	62	10
18	24.5	22.5	10.5	29	64	10
19	25.8	23.3	11.5	29	66	10
21	28	26	12	29	85	10
22	29.5	27	12.5	29	90	10
24	32	30	14.5	31	102	10

RS3450M/8	8 Pieces Set/Rail 200mm	₫Д (g)			
8, 10, 11, 12, 13, 14, 17, 19					

RS3450M/10	10 Pieces Set/Rail 250mm	₫Д (g)		
10, 11, 12, 13, 14, 15, 17, 19, 21, 22				

3400LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
88	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

RS3400LH/7	7 Pieces Set/Rail 150mm	₫Д (g)	
5S, 6S, 8S, 10S, 12S, 14S, 16S			

3300X 3305X (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22	20	17	25.5	40	51	10
17	23.5	22	18	25.5	40	61	10
18	24.5	23	19	24.5	40	68	10
19	25	24	20	24.5	40	75	10

3300XA 3305XA (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫ <u>7</u> (g)	(pcs.)
1/4	10.3	17.3	7	26.5	40	32	10
5/16	12	17.3	9	26.5	40	34	10
3/8	13.9	17.3	11	26.5	40	36	10
7/16	16	17.2	12	26.5	40	36	10
1/2	18	17	14	26.5	40	37	10
9/16	20	18.5	16	26.5	40	46	10
5/8	22	20	17	25.5	40	51	10
11/16	24.5	22.5	19	24.5	40	68	10
3/4	25	23.5	20	24.5	40	75	10

RS3300X/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	405
		<del>,</del>

RS3305X/8	8 Pieces Set/Rail 200mm	₫∄ (g)			
8, 10, 11, 12, 13, 14, 17, 19					

RS3300XA/9	9 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)			
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4					
		-5-			
RS3305XA/9	9 Pieces Set/Rail 200mm	Д¯Д (g)			
1/4, 5/16, 3/8, 7/16,	460				

	3350X (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	8	12	17.4	5	26.5	40	33	10
New	10	14.5	17.4	6	26.5	40	35	10
New	12	16.8	17.2	7	26.5	40	40	10
New	14	19.5	18.5	8.5	26.5	40	48	10

### 3400LH CHS Sockets Vasos LHS





RS3400LH/7





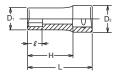
Socket Set on Rail Juego de Vasos en Regleta



3300X · 3300XA



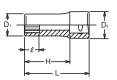
6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos





3305X · 3305XA







RS3300X/8



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Socket Set on Rail Juego de Vasos en Regleta

RS3305X/8





RS3300XA/9



Socket Set on Rail Juego de Vasos en Regleta

RS3305XA/9



3350X



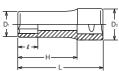
Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos





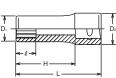












# RS3300M/8



Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/8



RS3300M/12 Socket Set on Rail Juego de Vasos en Regleta



RS3305M/12 () .....



-		

RS3300A/9



Socket Set on Rail
Juego de Vasos en Regleta

RS3305A/9





ı	3300M 3305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
	5.5	8.9	17.3	6.5	41.5	55	37	10
	6	9.9	17.3	7	41.5	55	37	10
	7	10.6	17.3	8	41.5	55	37	10
	8	12	17.3	9	41.5	55	40	10
	9	13	17.3	10	41.5	55	42	10
	10	14.5	17.3	11	41.5	55	46	10
	11	16	17.2	12	41.5	55	51	10
	12	16.8	17.2	13	41.5	55	52	10
	13	18	17	14	41.5	55	53	10
	14	20	18	16	41.5	55	60	10
	15	21	20	16	40.5	55	74	10
	16	22	20	17	40.5	55	76	10
	17	23.5	22	18	40.5	55	93	10
	18	24.5	23	19	39.5	55	98	10
	19	25	24	20	39.5	55	98	10
	20	26	25	21	49.5	65	126	10
	21	27	26	22	49.5	65	126	10
	22	29	28	23	48.5	65	163	10
	23	30	29	24	48.5	65	168	10
	24	31	30	25	47.5	65	191	10
	25	33	30	26	47.5	65	199	10
	26	34	31	27	47.5	65	209	10
	27	35	32.5	28	47.5	65	218	10

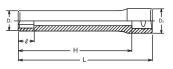
	3300A 3305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	7/32	8.9	17.3	6	41.5	55	35	10
	1/4	9.9	17.3	7	41.5	55	37	10
	5/16	12	17.3	9	41.5	55	40	10
	11/32	12.3	17.3	10	41.5	55	41	10
	3/8	14	17.3	11	41.5	55	46	10
	7/16	16	17.2	12	41.5	55	51	10
	1/2	18	17	14	41.5	55	53	10
	9/16	20	18	16	41.5	55	60	10
	19/32	21	20	16	40.5	55	74	10
	5/8	22	20	17	40.5	55	76	10
	11/16	23.5	22	18	40.5	55	93	10
	3/4	25	24	20	39.5	55	98	10
	13/16	27	26	22	49.5	65	126	10
	7/8	29	28	23	48.5	65	163	10
	15/16	31	30	25	47.5	65	191	10

RS3300M/8	8 Pieces Set/Rail 200mm	Ø∄ (g)			
8, 10, 11, 12, 13, 14, 17, 19					
RS3305M/8	8 Pieces Set/Rail 200mm	(g)			
8, 10, 11, 12, 13, 14, 17, 19					

RS3300M/12 8, 9, 10, 11, 12, 13,	12 Pieces Set/Rail 300mm	ДД (g) 878
RS3305M/12	12 Pieces Set/Rail 300mm	Ø∄ (g)
8, 9, 10, 11, 12, 13	, 14, 15, 16, 17, 18, 19	878

RS3300A/9	9 Pieces Set/Rail 200mm	Ø∄ (g)				
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4						
RS3305A/9	9 Pieces Set/Rail 200mm	₫Д (g)				
1/4, 5/16, 3/8, 7/1	16, 1/2, 9/16, 5/8, 11/16, 3/4	628				

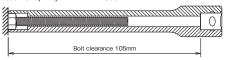




#### 3300M-Size DEEP SOCKET



3300M-Size(L120) EXTRA DEEP SOCKET



00M(L120) 05M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)
8	12	17.3	9	106.5	120	85	10
10	14.5	17.3	11	106.5	120	110	10
12	16.8	17.2	13	106.5	120	116	10
13	18	17	14	106.5	120	155	5
14	20	18	16	106.5	120	166	5

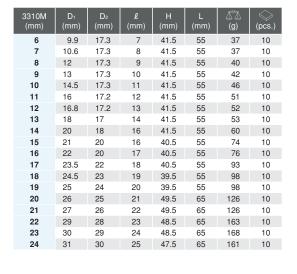


# 3300M/4-L120 4 Pieces Set/ 477g PLASTIC BAG Sockets 3300M(L120) 6-point Extra Deep Sockets 8, 10, 12, 14

33U5IVI/4-L12U	4 Pieces Set/
PLASTIC BAG	
Sockets	
3305M(L120) 12-point Extra Deep Sockets	
8 10 12 14	

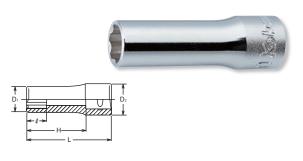


3300M/4-L120









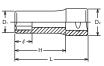
Socket Set Juego de Vasos



#### 3300W





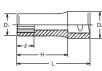


#### D<sub>2</sub> (mm) 12.3 17.3 10 10 1/8 41.5 55 46 3/16 16 17.3 12 41.5 55 55 10 18 17 41.5 55 57 10 1/4 14 5/16 21 20 16 40.5 55 79 10 10 3/8 24.5 23 19 39.5 55 96 7/16 27 26 22 49.5 65 140 10 10 1/2 30 29 24 48.5 65 193 9/16 34 31 27 47.5 65 250 10

#### 3305W

1	12-point Deep Whitworth Sockets
$\cup$	12-point Deep Whitworth Sockets Vasos Whitworth Bihexagonales Largo





BS W		
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BS·W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
B2.44	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

#### RS3300W/7 RS3305W/7



Socket Set on Rail Juego de Vasos en Regleta

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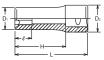
RS3300W/7	7 Pieces Set/Rail 200mm	(g)				
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2						
RS3305W/7	7 Pieces Set/Rail 200mm	(g) T_T				
1/8 3/16 1/4	719					

#### 3325



TORX® Deep Sockets Vasos TORX® Largos





3325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
E 4	5.6	17.3	4.6	41.5	55	29	10
E 5	6.9	17.3	5.2	41.5	55	31	10
E 6	7.9	17.3	5.4	41.5	55	33	10
E 7	8.9	17.3	6.6	41.5	55	36	10
E 8	9.9	17.3	7	41.5	55	39	10
E10	11.8	17.3	8.2	41.5	55	43	10
E12	14.5	17.2	9.3	41.5	55	53	10
E14	15.7	17.2	10.6	41.5	55	57	10
E16	18	17	11.8	41.5	55	69	10

_ TORX®	
(E)	
	S

(E	:)																			
		Ť		E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
	7	,	S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65
6	)	ľ																		

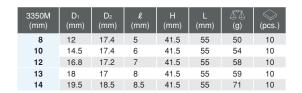
RS3325/9

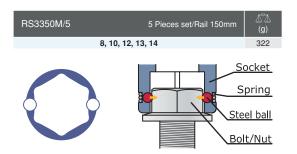


Socket Set on Rail
Juego de Vasos en Regleta



RS3325/9	9 Pieces Set/Rail 200mm	₫Д (g)
E4, E5, E6, E7, E8, E	E10, E12, E14, E16	420





3350M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
10	14.5	17.2	6	106.5	120	110	10
12	16.8	17.2	7	106.5	120	116	10

3350M/2-L120	2 Pieces Set/∆ਿ∆=230g
PLASTIC BAG	
Sock	kets
3350M(L120) Nut Grip Extra De 10, 12	eep Sockets

	3300FN (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	S (mm)	Æ∄ (g)	(pcs.)
	8	14.5	17.3	6	53	6.4	38	10
	9	16	17.3	7	53	6.8	41	10
	10	16.8	17.2	7.5	53	7.2	42	10
	11	18	17	8.5	53	8.3	42	10
	12	20	18	9	53	8.8	50	10
	13	21.1	20	9.5	62	9.4	66	10
	14	22	20	10.5	62	10.5	66	10
	15	23	22	11	70	11.5	82	10
	16	24	23	11.5	70	12	90	10
	17	25	24	12.5	80	13	110	10
	18	27	25	13	80	13.5	120	10
	19	28	26	14	80	14.5	130	10
New	22	32	29.5	16	80	16	180	10
New	24	34.5	31.5	17	80	17	200	10

RS3300FN/6	6 Pieces Set/Rail 150mm	₫¼ (g)
	8, 10, 12, 14, 17, 19	450

#### Nut Grip Deep Sockets **Nut Grip**® Vasos Sujeta-tuercas Largos **Nut Grip**® 3350M



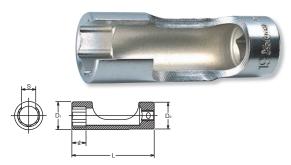










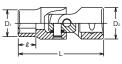




3440M • 3440A O 6-point Universal Sockets Vasos Hexagonales Universal



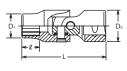






3445M • 3445A 12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal





RS3440M/8 RS3440A/8



Socket Set on Rail
Juego de Vasos en Regleta

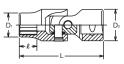
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3445W 12-point Whitworth Universal Socket Vasos Whitworth Bihex con Articulación Universal





RS3445W/7



Socket Set on Rail
Juego de Vasos en Regleta

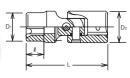


3440T



TORX® Universal Sockets
Vasos TORX® con Articulación Universal







RS3440T/8 Socket Set on Rail Juego de Vasos en Regleta



3440M 3445M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10

3440A 3445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10

RS3440M/8	8 Pieces Set/Rail 200mm	(g)
8, 10,	11, 12, 13, 14, 17, 19	550
RS3440A/8	8 Pieces Set/Rail 200mm	(a)

5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

570

3445W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

RS3445W/7	7 Pieces Set/Rail 200mm	₫∄ (g)
1/8, 3/16, 1/4	, 5/16, 3/8, 7/16, 1/2	570

3	440T (E)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫'∆ (g)	(pcs.)
	E 6	7.9	19	5.4	44.9	60	10
	E 8	9.9	19	7	46.5	63	10
	E10	11.8	19	8.2	47.7	63	10
	E12	14.5	19	9.3	48.8	68	10
	E14	15.7	19	10.6	50.1	68	10
	E16	18	19	11.8	51.3	70	10
	E18	19.5	19	13	53.5	78	10
	E20	22	19	14.4	54.9	81	10

RS3440T/8	8 Pieces Set/Rail 200mm	₫¼ (g)		
E6, E8, E10, E12, E14, E16, E18, E20				

3441M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	19	5	46	57	10
10	14.5	19	6	46	58	10
12	16.8	19	7	47	58	10
13	18	19	8	48	60	10
14	19.5	19	8.5	49.5	65	10



RS3441M/5	5 Pieces Set/Rail 150mm	₫"∆ (g)		
8. 10. 12. 13. 14				

3340M.75 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18	24.5	19	19	34	75	119	10
19	25.8	19	20	33	75	123	10

RS3340M/8-L75	8 Pieces Set/Rail 200mm	Ø∄ (g)
8, 10, 11, 12	810	

3430M (mm)	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

RS3430M/6	6 Pieces Set/Rail 150mm	Д¯Д (g)			
5, 6, 7, 8, 10, 12					

#### 3441M 🔾 Nut Grip Universal Sockets **Nut Grip**® Vasos Sujeta-Tuercas con Articulación Universal













RS3340M/8-L75



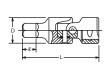
Socket Set on Rail Juego de Vasos en Regleta



#### 3430M



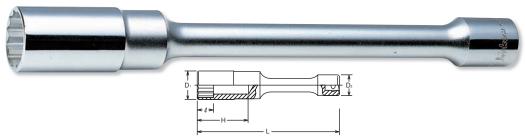
Universal Inhex Bit Sockets Vasos Inhex con Articulación Universal







## 3117M-125 · -250 Extension Deep Sockets Vasos con Alargadera



3117M.125 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
10	14.5	18	10	44	125	121	1
11	16	18	11	44	125	133	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1
21	27	18	21	44	125	195	1
22	29	18	22	44	125	214	1

3117M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
10	14.5	18	10	44	250	233	1
11	16	18	11	44	250	241	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1
21	27	18	21	44	250	302	1
22	29	18	22	44	250	325	1

3000-60 (PH)



Phillips Bit Sockets
Vasos con Punta Phillips



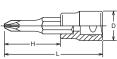
3000 (PH)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

3000-50 (PZ)



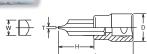
PZ Bit Sockets Vasos con Punta PZ





3005-60 Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada





3000.50 (PZ)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
PZ1	18	23.5	50	50	10
PZ2	18	23.5	50	50	10
PZ3	18	23.5	50	50	10

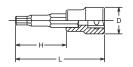
3005	T×W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	<b>+</b>	*	$\overline{\bigcirc}$							<b>©</b>	
$\Box$	Phillips (PH)	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXplus® (IP)	Penta-Lobe (PR)	Ribe-CV
<b>↓</b>		Â				M		A			
1/4"	No. <b>2000</b> series	No.2000(PZ) series	No. <b>2005</b> series	No.2010M/A series	No. <b>2011M</b> series	No. <b>2020</b> series	No. <b>2025</b> series	No.2025(TH) series	No.2025(IP) series	No.2025(PR) series	_
3/8"	No.3000 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No. <b>3011M</b> series	No.3020 series	No. <b>3025</b> series	No.3025(TH) series	No.3025(IP) series	No.3025(PR) series	No.3027 series
1/2"	No.4000 No.4001 series	No.4000(PZ) series	No.4005 No.4006 series	No.4010M/A No.4012M/A series	_	No.4020 series	No. <b>4025</b> series	_	No.4025(IP) series	_	No.4027 series











3010M.38 (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3	18	11.5	38	27	10
4	18	11.5	38	28	10
5	18	11.5	38	30	10
6	18	11.5	38	31	10
7	18	11.5	38	32	10
8	18	11.5	38	33	10
9	20	11.5	38	47	10
10	20	11.5	38	48	10
11	20	11.5	38	59	10
12	20	11.5	38	60	10
13	22	11.5	38	76	5
14	22	11.5	38	78	5

3010M.100 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	73.5	100	58	10
4	18	73.5	100	60	10
5	18	73.5	100	63	10
6	18	73.5	100	64	10
7	18	73.5	100	66	10
8	18	73.5	100	69	10
9	20	73.5	100	100	10
10	20	73.5	100	102	10
11	20	73.5	100	129	10
12	20	73.5	100	131	10
13	22	73.5	100	158	5
14	22	73.5	100	160	5

3010M.62 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
9	20	35.5	62	75	10
10	20	35.5	62	76	10
11	20	35.5	62	92	10
12	20	35.5	62	94	10
13	22	35.5	62	107	5
14	22	35.5	62	109	5

3010M.160 (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3	18	133.5	160	84	10
4	18	133.5	160	86	10
5	18	133.5	160	89	10
6	18	133.5	160	90	10
7	18	133.5	160	92	10
8	18	133.5	160	95	10
9	20	133.5	160	125	10
10	20	133.5	160	128	10
11	20	133.5	160	153	10
12	20	133.5	160	157	10
13	22	133.5	160	237	5
14	22	133.5	160	239	5

	3010A.50 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	1/8	18	23.5	50	35	10
New	5/32	18	23.5	50	36	10
New	3/16	18	23.5	50	36	10
New	7/32	18	23.5	50	38	10
New	1/4	18	23.5	50	40	10
New	9/32	18	23.5	50	42	10
New	5/16	18	23.5	50	44	10
New	11/32	20	23.5	50	59	10
New	3/8	20	23.5	50	60	10
New	7/16	20	23.5	50	74	10
New	1/2	22	23.5	50	91	5

RS3010M/8-L38	8 Pieces Set/Rail 200mm	₫¼ (g)				
3, 4, 5, 6, 7	3, 4, 5, 6, 7, 8, 10, 12					
		-0-				
RS3010M/8-L62	8 Pieces Set/Rail 200mm	₫¼ (g)				
3, 4, 5, 6, 7	7, 8, 10, 12	490				
RS3010M/8-L100	8 Pieces Set/Rail 200mm	₫Д (g)				
3, 4, 5, 6, 7	7, 8, 10, 12	645				
RS3010A/8-L50	8 Pieces Set/Rail 200mm	₫Д (g)				
New 1/8, 5/32, 3/16, 7/32	2, 1/4, 5/16, 3/8, 1/2	400				



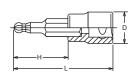
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	3011M.62 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
	3	18	35.5	62	45	10
	4	18	35.5	62	46	10
	5	18	35.5	62	48	10
	6	18	35.5	62	49	10
	7	18	35.5	62	50	10
	8	18	35.5	62	51	10
New	10	20	35.5	62	66	10
New	12	20	35.5	62	79	10

3011M.100 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	73.5	100	61	10
4	18	73.5	100	62	10
5	18	73.5	100	64	10
6	18	73.5	100	65	10
7	18	73.5	100	67	10
8	18	73.5	100	68	10

3011M.120 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

3011M.160 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

3015M-62·-100	Inhex Bit Sockets, Grip Ring Vasos con Punta Hexagonal, Grip Ring
	GRIP RING H





RS3015M/8-L100 •



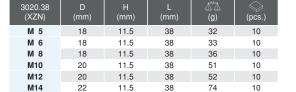
3015M.62 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	50	10
6	18	35.5	62	50	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
10	20	35.5	62	75	10
12	20	35.5	62	95	10

3015M.100 (mm)	D (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)
3	18	73.5	100	60	10
4	18	73.5	100	60	10
5	18	73.5	100	65	10
6	18	73.5	100	65	10
7	18	73.5	100	70	10
8	18	73.5	100	70	10
10	20	73.5	100	105	10
12	20	73.5	100	135	10

Grip Ring holds hex screws

RS3015M/8-L62	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6,	500	
RS3015M/8-L100	8 Pieces Set/Rail 200mm	Д∑Д (g)
3, 4, 5, 6,	650	





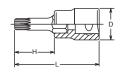
3020.50 (XZN)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	
M 4	18	23.5	50	35	10	
M 5	18	23.5	50	10		
M 6	18	23.5	50	39	10	
M 8	18	23.5	50	40	10	
M10	20	23.5	50	65	10	
M12	20	23.5	50	69	10	
M14	22	23.5	50	75	10	

3020.100 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 4	18	73.5	100	57	10
M 5	18	73.5	100	59	10
M 6	18	73.5	100	61	10
M 8	18	73.5	100	62	10
M10	20	73.5	100	99	10
M12	20	73.5	100	103	10
M14	22	73.5	100	145	5

3020.120 (XZN)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
M 4	18	93.5	120	77	10
M 5	18	93.5	120	79	10
M 6	18	93.5	120	81	10
M 8	18	93.5	120	82	10
M10	20	93.5	120	119	10
M12	20	93.5	120	123	10
M14	22	93.5	120	165	5







, <u> </u>										
	X.	ZN	M4	M5	M6	M8	M10	M12	M14	M16
S	S	(ref. mm)	3.60	4.80	6.00	7.20	9.60	11.41	13.22	15.63







M18

16.85



054

Hand Sockets 3/8"

## 3025-38 · -50 · -140 (T)





3025.38 (T)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	
T 9	18	11.5	38	32	10	
T10	18	11.5	38	10		
T15	18	11.5	38	33	10	
T20	18	11.5	38	33	10	
T25	18	11.5	38	33	10	
T27	18	11.5	38	33	10	
T30	18	11.5	38	33	10	
T40	18	11.5	38	34	10	
T45	18	11.5	38	37	10	
T50	20	11.5	38	49	10	
T55	20	11.5	38	57	10	

3025.50 (T)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 9	18	23.5	50	36	10
T10	18	23.5	50	36	10
T15	18	23.5	50	36	10
T20	18	23.5	50	36	10
T25	18	23.5	50	37	10
T27	18	23.5	50	37	10
T30	18	23.5	50	38	10
T40	18	23.5	50	39	10
T45	18	23.5	50	41	10
T50	20	23.5	50	55	10
T55	20	23.5	50	67	10

3025.140 (T)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 9	18	113.5	140	75	10
T10	18	113.5	140	75	10
T15	18	113.5	75	10	
T20	18	113.5	140	75	10
T25	18	113.5	140	76	10
T27	18	113.5	140	76	10
T30	18	113.5	140	77	10
T40	18	113.5	140	78	10
T45	18	113.5	140	80	10
T50	20	113.5	140	94	10
T55	20	113.5	140	106	10



	Т	T8	Т9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S	(ref. mm)	2.30	2.48	2.72	3.26	3.84	4.40	4.96	5.49	6.60	7.77	8.79	11.17	13.20	15.49	17.51	19.88	22.09







	100

3025-100R (T)

3025.50	D	H	L	₫Д	(pcs.)
(T)	(mm)	(mm)	(mm)	(g)	
T35	18	23.5	50	39	10

vasos (	SOIT UNITE TOTAL
H—————————————————————————————————————	

TORX® Bit Sockets, Round Shaft

3025.100R (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20	18	73.5	100	38	10
T25	18	73.5	100	40	10
T27	18	73.5	100	42	10
T30	18	73.5	100	45	10
T40	18	73.5	100	52	10
T45	18	73.5	100	73	10
T50	20	73.5	100	80	10
T55	20	73.5	100	106	10

R\$3025/8-L100R	Socket Set on Rail Juego de Vasos en Regleta
	ш
	ш
	20 Acces   55 Gr
	****

RS3025/8-L100R	8 Pieces Set/Rail 200mm	₫∄ (g)
T20, T25, T27, T3	30, T40, T45, T50, T55	490

3025.50 (TH)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T10H	18	23.5	50	37	10
T15H	18	23.5	50	38	10
T20H	18	23.5	50	38	10
T25H	18	23.5	50	38	10
T27H	18	23.5	50	38	10
T30H	18	23.5	50	39	10
T40H	18	23.5	50	40	10
T45H	18	23.5	50	41	10
T50H	20	23.5	50	61	10
T55H	20	23.5	50	61	10

3025.160 (TH)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T25H	18	133.5	160	83	10
T27H	18	133.5	160	83	10
T30H	18	133.5	160	84	10
T40H	18	133.5	160	85	10
T45H	18	133.5	160	86	10
T50H	20	133.5	160	128	10
T55H	20	133.5	160	128	10

RS3025/9-HOLE	9 Pieces Set/Rail 200mm	(g) (\bar{D}
	20H, T25H, T27H, H, T45H, T50H	405

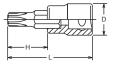
3247	4 Pieces Set/ὧ∄=385g
PLASTIC BAG	
Sock	kets
3025.160 Tamper-Resistant TO T27H, T30H, T40H, T50H	PRX® Bit Sockets

3025.100R (TH)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T20H	18	73.5	100	38	10
T25H	18	73.5	100	40	10
T27H	18	73.5	100	42	10
T30H	18	73.5	100	45	10
T40H	18	73.5	100	52	10
T45H	18	73.5	100	73	10
T50H	20	73.5	100	80	10
T55H	20	73.5	100	106	10

RS3025/8-L100RH	8 Pieces Set/Rail 200mm	Д¯Д (g)
T20H, T25H, T27H T45H, T50		490

# 3025-50 · -160 (TH) 🔥







Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.









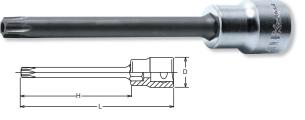


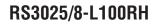


3025-100R (TH)



Tamper-Resistant TORX® Bit Sockets, Round Shaft Vasos con Punta TORX® Indeformable







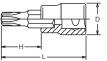
Socket Set on Rail Juego de Vasos en Regleta



### 3025-50 (IP)







3025.50 (IP)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
10IP	18	23.5	50	38	10
15IP	18	23.5	50	38	10
20IP	18	23.5	50	38	10
25IP	18	23.5	50	38	10
27IP	18	23.5	50	40	10
30IP	18	23.5	50	40	10
40IP	18	23.5	50	41	10
45IP	18	23.5	50	41	10
50IP	20	23.5	50	61	10
55IP	20	23.5	50	61	10

**TORXplus**® (IP) S

IP	1	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S	(ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

RS3025/8-IP

Socket Set on Rail Juego de Vasos en Regleta



RS3025/8-IP 8 Pieces Set/Rail 200mm 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP 370

RSX025/11-IP



Socket Set on Rail
Juego de Vasos en Regleta

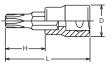


3025-50 (PR) 🕥



Penta-Lobe Bit Sockets, with Hole Vasos con Punta de Cinco Lóbulos, con agujero





RSX025/11	-IP 11 Pieces Set/Rail 200	)mm (g)
2025.28(IP)	10IP, 15IP, 20IP, 25IP, 27IP	
3025.50(IP)	30IP, 40IP, 45IP, 50IP	480
4025.60(IP)	55IP, 60IP	
1/4" + 3/8" -	+ 1/2"	

3025.50 (PR)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
10PR	18	23.5	50	38	10
15PR	18	23.5	50	38	10
20PR	18	23.5	50	38	10
25PR	18	23.5	50	38	10
27PR	18	23.5	50	40	10
30PR	18	23.5	50	40	10
40PR	18	23.5	50	41	10
45PR	18	23.5	50	41	10
50PR	20	23.5	50	61	10
55PR	20	23.5	50	61	10

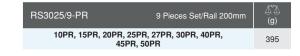
Penta-Lobe (PR)

PR	8PR	9PR	10PR	15PR	20PR	25PR	27PR	30PR	40PR	45PR	50PR	55PR
S (ref. mm)	2.19	2.36	2.58	3.10	3.64	4.12	4.71	5.23	6.30	7.38	8.35	10.63

RS3025/9-PR

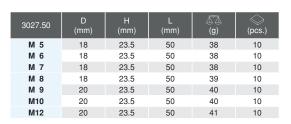






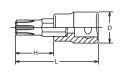


RSX025/11	I-PR	11 Pieces Set/Rail 200mm	(g) \$\alpha\alpha\$
2025.28(PR)		8PR, 10PR, 15PR, 20PR, 25PR, 27PR, 30PR	320
3025.50(PR)		40PR, 45PR, 50PR, 55PR	
1/4" + 3/8"			



3027.100	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10







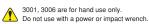
CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
S (re	ef. mm)	5	6	7	8	9	10	12	13	14	16
W (re	ef. mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3.0	3.1	3.5

RS3027/5-L50	5 Pieces Set/Rail 150mm	₫¼ (g)				
M5, M6, M8, M10, M12						

RS3027/5-L50	• ************************************	Socket Set on Juego de Vas	

3001 (PH)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
2	18	42	60	38	10
3	18	42	60	38	10
4	18	42	60	38	10

3006	T×W (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
5	1.0× 5	18	42	60	35	10
8	1.2× 8	18	42	60	42	10
10	1.6×10	20	42	60	50	10
10	1.6×10	20	42	60	50	10







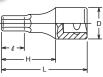
3012M-52 · -62 · -75 Inhex Sockets Vasos con Punta de Hexagonal











3012M/A are for hand use only.

Do not use with a power or impact wrench.

3012M.52 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	10	34	52	35	10
4	18	15.5	34	52	38	10
5	18	15.5	34	52	40	10
6	18	15.5	34	52	42	10
7	18	15.5	34	52	46	10
8	18.5	15.5	34	52	50	10
9	18.5	15.5	34	52	55	10
10	20	15.5	34	52	66	10
11	20	15.5	34	52	72	10
12	20	15.5	34	52	77	10
13	20	15.5	34	52	82	10
14	20	15.5	34	52	89	10

3012M.62 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3	18	10	44	62	38	10
4	18	15.5	44	62	40	10
5	18	15.5	44	62	43	10
6	18	15.5	44	62	46	10
7	18	15.5	44	62	53	10
8	18.5	15.5	44	62	58	10
9	18.5	15.5	44	62	63	10
10	20	15.5	44	62	77	10
11	20	15.5	44	62	83	10
12	20	15.5	44	62	90	10
13	20	15.5	44	62	95	10
14	20	15.5	44	62	109	10

3012M.75 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

3012A.52 (inch)	D (mm)	ل (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1/8	18	10	34	52	35	10
5/32	18	15.5	34	52	38	10
3/16	18	15.5	34	52	40	10
7/32	18	15.5	34	52	42	10
1/4	18	15.5	34	52	44	10
9/32	18	15.5	34	52	46	10
5/16	18.5	15.5	34	52	50	10
11/32	18.5	15.5	34	52	55	10
3/8	20	15.5	34	52	65	10
7/16	20	15.5	34	52	72	10
1/2	20	15.5	34	52	82	10
0/16	20	155	24	E0	90	10

3012A.62 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	18	10	44	62	38	10
5/32	18	15.5	44	62	40	10
3/16	18	15.5	44	62	43	10
7/32	18	15.5	44	62	46	10
1/4	18	15.5	44	62	48	10
9/32	18	15.5	44	62	53	10
5/16	18.5	15.5	44	62	58	10
11/32	18.5	15.5	44	62	63	10
3/8	20	15.5	44	62	73	10
7/16	20	15.5	44	62	83	10
1/2	20	15.5	44	62	95	10
9/16	20	15.5	44	62	109	10

3012A.75 (inch)	D (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52 RS3012A/8-L52



Socket Set on Rail
Juego de Vasos en Regleta



RS3012M/8-L52	8 Pieces Set/Rail 200mm	₫Д (g)
3, 4, 5	, 6, 7, 8, 10, 12	394

RS3012A/8-L52	8 Pieces Set/Rail 200mm	ДД (g)
1/8, 5/32, 3/16, 7/32	2, 1/4, 5/16, 3/8, 1/2	425



\* Renewal Kits - 2749RK-3/8 -> P28

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10









\* Renewal Kits → 2749RK-3/8 → P28

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2749N-3/8	25	21.9	11.2	125	104	10
2749P-3/8	25	21.9	11.2	125	101	10

2749-3/8 series have less strength compared with normal 38" ratchet due to the technical design. Make sure to use the ratchet correctly.







\* Renewal Kits → 3749RK → P286





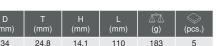




\* Renewal Kits → 3749BRK →P

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.





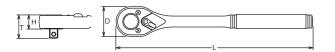
	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	
_	24	24.0	1/1	200	240	-1	ì

3749N





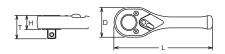


















Reversible Ratchet Llave de Carraca Reversible





\* Renewal Kits → 3752RK → P2

A pointer and L/R markings on the ratchet head Indicate the

turning direction.
The reduced diameter of the head allows easier access in tight spots.

[L/R Marking]

Una flecha y unas marcas L/R en el cabezal de la llave(L = lzquierda / R = Derecha) indican el sentido de giro.

El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.



Reversible Ratchet Llave de Carraca Reversible 3752J





\* Renewal Kits → 3752RK → P



T H	D	
<del>,</del>		L

	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
3752N	33	34.3	23.9	200	310	1
3752J	33	34.3	23.9	200	310	1

#### 3776N

Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria







\* Renewal Kits - 3752RK -P



#### 3776P

Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria







\* Renewal Kits → 3752RK → P286



#### 3776J

Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria

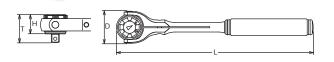






\* Renewal Kits → 3752RK → P2

	-



	D (mm)	T (mm)	H (mm)	L (mm)	Д́Д (g)	(pce.)
3776N	44	34.3	23.9	280	565	1
3776P	44	34.3	23.9	280	560	1
3776J	44	34.3	23.9	280	510	1



Multi Purpose Ratchet, Reversible Llave de Carraca de Aplicación General, Reversible





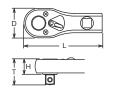


\* Renewal Kits - 3753RK - P286

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3753SM	30.5	26.4	15.7	81	175	5









3753N

Reversible Ratchet Llave de Carraca Reversible







3753P

Reversible Ratchet Llave de Carraca Reversible















\* Renewal Kits → 3753RK → P286

Reversible Ratchet Llave de Carraca Reversible 3753J







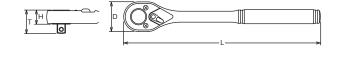




Reversible Ratchet Llave de Carraca Reversible D3753J



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1







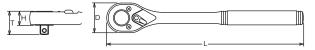


Reversible Ratchet Long Llave de Carraca Reversible Larga





	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
3753P-250	30.5	26.4	15.7	250	335	1



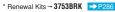
#### 3753SMB

Multi Purpose Ratchet with Quick Release Button Llave de Carraca de Aplicación General, reversible













	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3753SMB	30.5	26.4	15.7	81	175	5

### 3753NB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida













\* Renewal Kits → 3753BRK → P286

#### 3753PB

Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida













\* Renewal Kits → 3753BRK → P286

#### 3753JB

Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida













\* Renewal Kits → 3753BRK → P286

THE		
	<	-L>

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



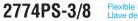
Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.







\* Renewal Kits → 2749RK-3/8 → P28



Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





2774JS-3/8

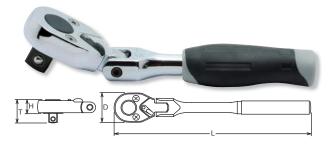
Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible

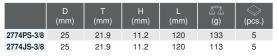






\* Renewal Kits → 2749RK-3/8 → P2

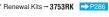






2774-3/8 series have less strength compared with normal [38] ratchet due to the technical design. Make sure to use the ratchet correctly.







	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774PS	30.5	26.4	15.7	175	250	2



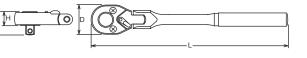




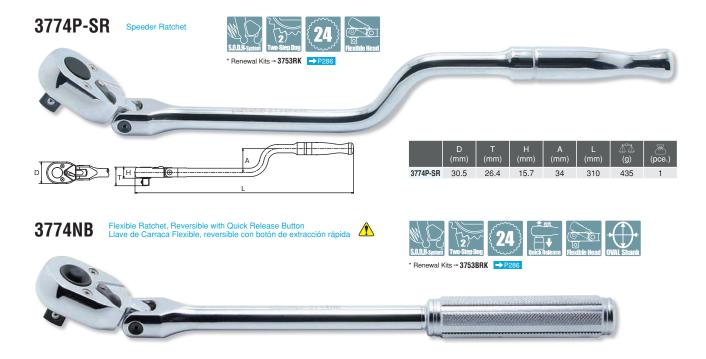




	D (mm)	T (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
3774N	30.5	26.4	15.7	265	378	2
3774P	30.5	26.4	15.7	265	378	2
3774J	30.5	26.4	15.7	285	367	1

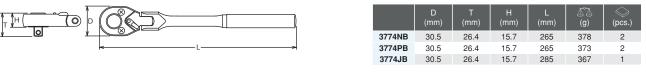


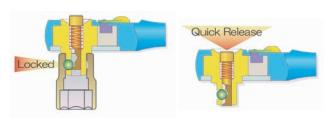












Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

#### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked.

By pushing the button the sockets or extension bars are released from the ratchet.

#### Llave de Carraca Reversible con Botón de

Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.











3774NL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza













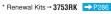




3774PL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza















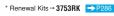




3774JL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza

















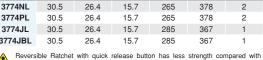


#### 3774JBL 🔨

Flex-Head Ratchet with Head Lock Button and Quick Release Button Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza y Botón de Extracción Rápida



	D (mm)	T (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)
3774NL	30.5	26.4	15.7	265	378	2
3774PL	30.5	26.4	15.7	265	378	2
3774JL	30.5	26.4	15.7	285	367	1
3774JBL	30.5	26.4	15.7	285	367	1



normal ratchet due to the technical design. Make sure to use the ratchet correctly.



Ratchet Adaptor Adaptador de carraca







\* Renewal Kits → 3755RK → P288

	D (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
3755	30.5	55	146	5

3756 Quick Spinner Disco de Giro Rápido



	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3756	30.5	25.5	47	10

Ratchet Wheel Rueda de carraca



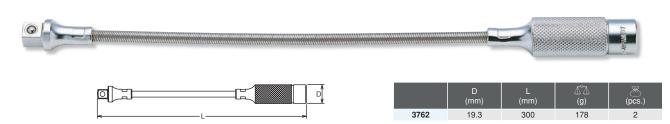




\* Renewal Kits - 3752RK - P286

	D (mm)	L (mm)	₫Д (g)	(pcs.)
3757	50	35	155	5

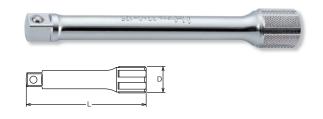
3762 Flexible Extension Bar Alargadera Flexible



3760	D (mm)	L (mm)	₫Д (g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

3760-32 · -50 · -75 · -125 · -150 · -250 · -300 · -400 · -500 · -600 · -900 · -1000

Extension Bars Alargaderas



#### PK3760/6 6 Pieces Set/\$\tilde{\bar{a}} = 670g PLASTIC TRAY

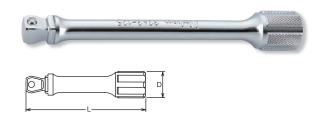
3760 Extension Bars 32, 50, 75, 125, 150, 250 PK3760/6 Set Juego



3763-32 · -50 · -75 · -125 · -150 · -250 · -300

Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas







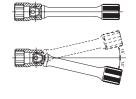
3763	D (mm)	L (mm)	₫Д (g)	⇒ (pcs.)
32	18	32	26	10
50	18	50	42	10
75	18	75	57	10
125	18	125	80	10
150	18	150	98	10
250	18	250	144	5
300	18	300	170	2

## PK3763/6 PLASTIC TRAY **3763** Wobble-Fix Extension Bars 32, 50, 75, 125, 150, 250

#### Wobble-Fix Extension Bar

Two way usage: one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

## PK3763/6





Hinge Handle Mango Articulado



Renewal Kits - 3768RK - P288



#### 3768N-250

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P288



3768P-250

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P288



#### 3768J-250

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P288





	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
3768N-175	20.5	175	255	5
3768N-250	20.5	250	290	5
3768P-250	20.5	250	275	5
3768J-250	20.5	250	248	2

#### 3768N-300

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P2



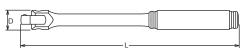
#### 3768P-380

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P288





	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
3768N-300	20.5	300	320	2
3768P-380	20.5	380	435	2



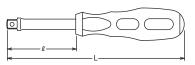
3768-300, -380 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.













Spin Type Handle Wobble-Fix Mango Tipo Destornillador Articulados-Fijos

Rockood



3769NWF	لا (mm)	L (mm)	₫Д (g)	(pcs.)
160	50	160	96	2
230	120	230	126	2



Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento



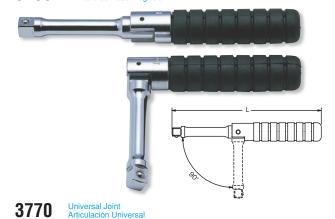
#### Wobble-Fix Extension Bar

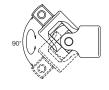
Two way usage: one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

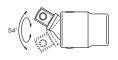
Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



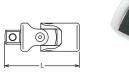








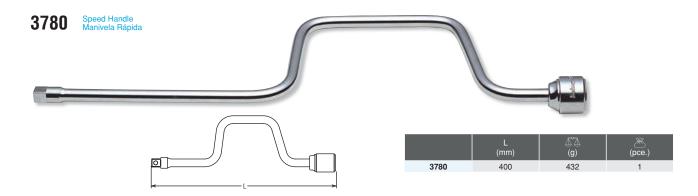
	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
3770	50	66	10
3771	43	46	10





















3344A Adaptor Adaptador





	凹 (sq)	(sq)	L (mm)	Д¯Д (g)	(pcs.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

Adapting down from bigger square drive to smaller square drive may lead to Adapting down from program square server excessive torque and possibly cause breakage.

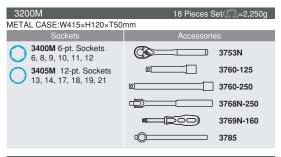
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

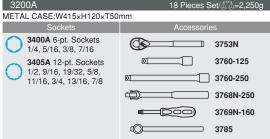
# PK2346/6

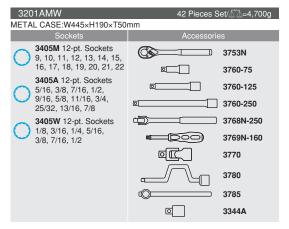


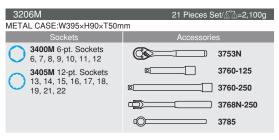
	22224	1/4" X 3/8"		
2011	2233A	(1/4) X 0/0		
711	3322A	3/8" X 1/4"	Warranty/Garantia	86Nm
	3344A	3/8" X 1/2"		
Ш	4433A	1/2") X 3/8"	Warranty/Garantia	290Nm
	4466A	1/2" X 3/4"		
	6644A	3/4") X 1/2"	Warranty/Garantia	668Nm

PK2346/6	6 Pieces Set/ゐゐ=460g
PLASTIC TRAY	
	Adaptors
1/4"凹→3/8"凸 2233A 3/8"凹→1/2"凸 3344A 1/2"凹→3/4"凸 4466A	3/8"凹→1/4"凸 3322A 1/2"凹→3/8"凸 4433A-35 3/4"凹→1/2"凸 6644A









3206A	17 Pieces Set/₷७=2,000g
METAL CASE:W395×H90×T50m	ım
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16	3753N
3405A 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125 3760-250
	3768N-250
	3785

3206AM	27 Pieces Set/\$\tilde{\mathbb{A}} = 3,500g
METAL CASE:W445×H190×T50r	mm
Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16,	3760-125 3760-250
5/8,11/16, 3/4, 13/16, 7/8	3768N-250
3300C Spark Plug Socket 20.8	回[[二] 3770

## 3200M · 3200A Socket Sets Juegos de Vasos



## 3201AMW

Socket Set Juego de Vasos



## 3206M Socket Set Juego de Vasos



## 3206A Socket Set Juego de Vasos



## 3206AM Socket Set Juego de Vasos



3210M Socket Set Juego de Vasos



3215M · 3215A

Socket Sets Juegos de Vasos



3217M

Socket Set Juego de Vasos



3220M

Socket Set Juego de Vasos

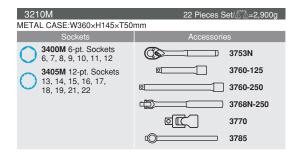


3221M Socket Set Juego de V



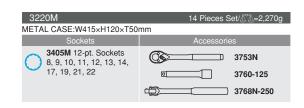
3244 Socket Set Juego de V

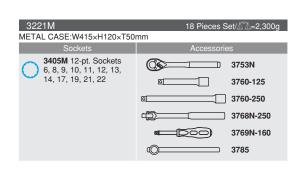






3217M	14 Pieces Set/🏂=850g
METAL CASE:W163×H52×T33mm	
Sockets	
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	





3244	12 Pieces S	Set/ὧ″ <u>a</u> =1,110g
METAL CASE:W240×H100×T32r	mm	
Sockets	Accessori	es
3025.50 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50 3425 TORX® Sockets E8, E10, E12		3753N 3760-75

3/8" Hand Sockets







\$3240M-00 · \$3240A-00 \$3240M-05 · \$3240A-05



Display Stands Expositores





3250M Socket Set Juego de Vasos



3252M Socket Set Juego de Vasos



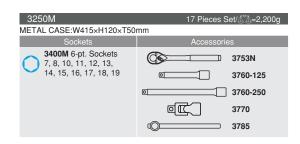
P3262M-6P Socket Set Juego de Vasos



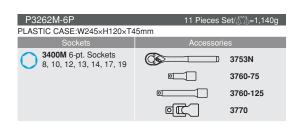


S3240A-00 S3240A-05	3400A 126 Pieces Set/\$\tilde{\bar{2}} = 8,500g 3405A 126 Pieces Set/\$\tilde{\bar{2}} = 8,500g
DISPLAY STAND:W510×H1	50×T230mm
	Sockets

	Sockets	
1/4" :12pcs 5/16":12pcs 3/8" :12pcs 7/16":12pcs 1/2" :11pcs	9/16":10pcs 19/32":10pcs 5/8" : 9pcs 11/16": 9pcs 3/4" : 8pcs	25/32":7pcs 13/16":7pcs 7/8" :7pcs



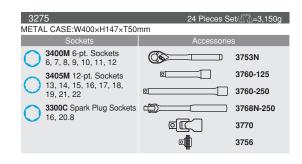
3252M		Set/ὧື=1,530g
METAL CASE:W310×H90×T48m Sockets	nm Accessori	25
	Accessori	
<b>3400M</b> 6-pt. Sockets 5.5, 7, 8, 10, 11, 12		3753P
3405M 12-pt. Sockets		3760-75
13, 14, 17, 19, 22		3760-125
		3770
5.5, 7, 8, 10, 11, 12  3405M 12-pt. Sockets 13, 14, 17, 19, 22		3760-75 3760-125





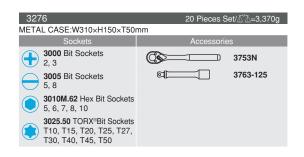
3275 Socket Set Juego de Vasos





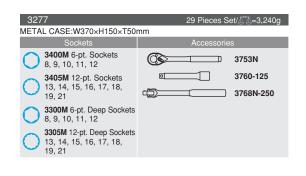
3276 Bit Socket Set Juego de Vasos con Punta





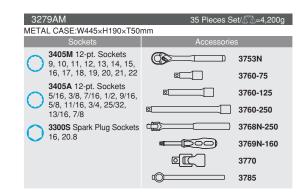
3277 Socket Set Juego de Vasos





3279AM Socket Set Juego de Vasos





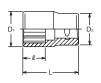
# Hand Sockets













4400M 4405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
6	10.3	21	6	36	42	10
7	11.5	21	7	36	43	10
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	57	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	182	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	205	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	246	5
32	42.8	38	23	46	261	5
33	44.2	39	24	47	275	5
34	45.2	40	24	47	315	5
35	46.2	40	24	47	317	5
36	47.2	41	24	47	336	5
37	48.3	42	24	47	360	5
38	49.2	43	24	47	380	5
41	53.1	45	29	57	471	5
46	59.1	48	32	60	567	2

4400A 4405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	13.2	21	8	36	44	10
3/8	14.6	21	9	37	45	10
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
19/32	21.5	22	11.5	37	57	10
5/8	22.8	22	12	37	62	10
21/32	24	23	12.5	37	69	10
11/16	25	24	13	37	74	10
3/4	26.5	25	14	38	89	10
25/32	27.8	26	15	38	92	10
13/16	29	27	15.5	38	102	10
7/8	30	28	16	40	113	10
15/16	32.8	30	17	42	140	5
1	35	32	19	42	165	5
1. 1/16	36.5	33	19.5	43	180	5
1. 1/8	39	35	20.5	43	210	5
1. 3/16	40	36	22	46	222	5
1. 1/4	42.8	38	23	46	261	5
1. 5/16	44.2	39	24	47	275	5
1. 3/8	46.2	40	24	47	317	5
1. 7/16	47.2	41	24	47	336	5
1. 1/2	49.2	43	24	47	380	5

10 Pieces Set/Rail 300mm	∆`∆ (g)	
l, 15, 17, 19, 21, 22	717	
10 Pieces Set/Rail 300mm	ДД (g)	
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		
	1, 15, 17, 19, 21, 22 10 Pieces Set/Rail 300mm	

RS4400A/10	10 Pieces Set/Rail 300mm	₫∄ (g)
3/8, 7/16, 1 3/4, 13	809	
RS4405A/10	10 Pieces Set/Rail 300mm	₫∄ (g)
3/8, 7/16, 1 3/4, 13	809	

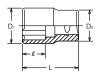
Socket Set on Rail Juego de Vasos en Regleta RS4400M/10 ШШ RS4405M/10 Ш

Socket Set on Rail Juego de Vasos en Regleta RS4400A/10 RS4405A/10



4410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





RS4410M/10



Socket Set on Rail
Juego de Vasos en Regleta

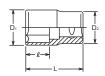


4400W



6-point Whitworth Sockets Vasos Whitworth Hexagonales



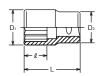


4405W



12-point Whitworth Sockets Vasos Whitworth Bihexagonales





RS4400W/8 RS4405W/8



Socket Set on Rail
Juego de Vasos en Regleta

Socket Set on Rail Juego de Vasos en Regleta



					FŸ∃	
4410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
, ,	13.2	21	8		44	10
8 9	13.2	21	8.5	36 37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	45	10
12	17.8	21	10	37	47	10
13	17.6	22	10.5	37	53	10
14	20.3	22	11.5	37	56	10
15						
	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5
34	45.2	40	24	47	314	5

	10, 11, 1	12, 13, 14,	15, 17, 19,	21, 22		717
4400W 4405W (W)	D <sub>1</sub> (mm)	D₂ (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280	5

RS4410M/10

10 Pieces Set/Rail 300mm

RS4400W/8	8 Pieces Set/Rail 250mm	₫ <u>'n</u> (g)		
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8				

RS4405W/8	8 Pieces Set/Rail 250mm	Д¯Д (g)
3/16, 1/4, 5/16, 3/8, 7/16	6, 1/2, 9/16, 5/8	860

BS W



BS W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS
DO W	W	1/8W	3/16W	1/4W	5/16W	3/8W
Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03

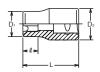
6BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
3W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
.03	20.83	23.37	25.65	27.94	30.48	33.35

4425



TORX® Sockets Vasos TORX®





4425 (E)	5	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	لا (mm)	L (mm)	₫¼ (g)	(pcs.)
E 8		10.7	21	7	36	41	10
E10		13.2	21	8.2	36	44	10
E11		13.8	21	8.7	37	45	10
E12		14.6	21	9.3	37	47	10
E14		16.5	21	10.6	37	48	10
E16		19	22	11.8	37	57	10
E18		20.3	22	13	37	57	10
E20		22.8	22	14.4	37	63	10
E22		25	24	15.5	37	78	10
E24		26.5	25	17	40	95	5

TORX® \_\_\_

(-)	
	F
	S
	,

S (ref. mm) 3.83 4.72 5.69 6.17 7.47 9.37 10.03 11.12 12.85 14.71 16.64 18.41 20.24 22.10 23.85 25.6		Е		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
	S		(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

RS4425/7



Socket Set on Rail
Juego de Vasos en Regleta



RS4425/7	7 Pieces Set/Rail 200mm	₫∄ (g)
E10, E12,	E14, E16, E18, E20, E24	428

TORX Socket for Nut and low profile bolt Shallow Chamfer on Socket Opening



- A : Flywheel bolt MR20 NISSAN: 4425-E20N
- B : Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N
- C : Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

RS4425/6-N	6 Pieces Set/Rail 200mm	₫ <u>¼</u> (g)
E10N, E12N, E1	370	

4425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
10EPL	13.2	21	6.2	36	45	10
12EPL	14.6	21	7.2	37	47	10
14EPL	16.5	21	8.1	37	49	10
16EPL	19	22	9.2	37	60	10
18EPL	20.3	22	10.2	37	60	10
20EPL	22.9	22	11.2	37	65	10

RS4425/6-EPL	6 Pieces Set/Rail 200mm	₫Д (g)
10EPL, 12EPL, 14EPL	, 16EPL, 18EPL, 20EPL	390

4450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	6	36	44	10
11	16.5	21	6.5	36	46	10
12	17.8	21	7	36	46	10
13	19	22	8	36	57	10
14	20.3	22	8.5	36	54	10
15	21.5	22	9	36	52	10
16	22.8	22	9	36	60	10
17	24	23	9.5	36	68	10
18	25	24	10.5	36	77	10
19	26.5	25	11.5	36	85	10
21	29	27	12	37	110	10
22	30	28	12.5	37	105	10
24	32.8	30	14.5	39	130	5
27	36.5	33	16.5	40	139	5

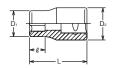
RS4450M/10	10 Pieces Set/Rail 300mm	₫∄ (g)
10, 11, 12, 13,	14, 15, 17, 19, 21, 22	717

4400LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
6S	13.2	21	5.6	36	44	10
8S	16.5	21	6.8	37	46	10
10S	19	22	8	37	53	10
12S	22.8	22	9.2	37	62	10
148	25	24	10.4	37	74	10
16S	29	27	11.6	38	102	10

RS4400LH/6	6 Pieces Set/Rail 200mm	₫∄ (g)			
6S, 8S, 10S, 12S, 14S, 16S					

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LMB\$\frac{1}{2}\text{L}\text{C}\text{SOR}\text{OCAPORATION}\text{System Engineering Department.}
LMB\$\frac{1}{2}\text{L}\text{System Engineering Department.}







RS4425/6-N



Socket Set on Rail Juego de Vasos en Regleta









RS4425/6-EPL



Socket Set on Rail
Juego de Vasos en Regleta



4450M



Nut Grip Sockets **Nut Grip**® Vasos Sujeta-Tuercas **Nut Grip**®







RS4450M/10



Socket Set on Rail
Juego de Vasos en Regleta



4400LH









RS4400LH/6



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Socket Set on Rail Juego de Vasos en Regleta

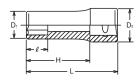


Hand Sockets 1/2

## 4300M • 4300A O 6-point Deep Sockets Vasos Hexagonales Largos





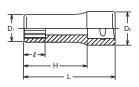


	4300M 4305M	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	(a)	(pcc)
	(mm)			` '	, ,	, ,	(g)	(pcs.)
	8	13.2	21	9	59	77	76	10
	9	13.8	21	10	59	77	82	10
	10	15.3	21	11	59	77	82	10
	11	16.5	21	12	59	77	86	10
	12	17.8	21	13	59	77	92	10
	13	19	21.8	14	59	77	106	10
	14	20.3	21.8	15	59	77	115	10
	15	21.5	21.8	16	59	77	123	10
	16	22.8	22	17	59	77	141	10
	17	24	23	18	59	77	139	10
	18	25	24	19	59	77	149	10
	19	26.5	25	20	58	77	165	10
	20	27.8	26	21	58	77	183	10
	21	29	27	23	58	77	190	10
	22	30	28	27	57	77	200	10
	23	31.5	29	27	57	77	233	10
	24	32.8	30	27	57	77	249	10
	25	34	31	27	57	77	270	10
	26	35	32	27	56	77	279	10
	27	36.5	33	28	56	77	303	10
	28	37.8	34	28	56	77	331	10
	29	39	35	28	55	77	357	10
	30	40	36	34	55	77	342	10
	31	41.5	37	34	55	77	384	10
	32	42.8	38	34	55	77	405	10
New	33	44.2	39	35	54	77	420	5
	34	45.2	40	35	54	77	442	5
	36	47.2	41	35	53	77	484	5
	37	48.2	42	38	53	77	475	5
	38	49	44	38	53	77	490	5

4305M • 4305A O 12-point Deep Sockets Vasos Bihexagonales Largos







	4300A 4305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
	5/16	13.2	21	9	59	77	76	10
	3/8	14.6	21	10	59	77	82	10
	7/16	16.5	21	12	59	77	86	10
	1/2	19	21.8	14	59	77	106	10
	9/16	20.3	21.8	15	59	77	115	10
	19/32	21.5	21.8	16	59	77	123	10
	5/8	22.8	22	17	59	77	141	10
	21/32	24	23	18	59	77	139	10
	11/16	25	24	19	59	77	149	10
	3/4	26.5	25	20	58	77	165	10
	25/32	27.8	26	21	58	77	183	10
	13/16	29	27	23	58	77	190	10
	7/8	30	28	27	57	77	200	10
	15/16	32.8	30	27	57	77	249	10
	31/32	34	31	27	57	77	270	10
	1	35	32	27	56	77	279	10
	1. 1/16	36.5	33	28	56	77	303	10
	1. 1/8	37.8	34	28	56	77	331	10
	1. 3/16	40	36	34	55	77	342	10
	1. 1/4	42.8	38	34	55	77	405	10
New	1. 5/16	44.2	39	35	54	77	420	5
П	1. 3/8	46.2	40	35	54	77	422	5
	1. 7/16	47.2	41	35	53	77	484	5
	1. 1/2	49	44	38	53	77	523	5
	1.13/16	59	48	38	51	77	791	5

RS4300M/10 Socket Set on Rail Juego de Vasos en Regleta



RS4305M/10



RS4300A/10 ()



Socket Set on Rail Juego de Vasos en Regleta

RS4305A/10







RS4300M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13	, 14, 15, 17, 19, 21, 22	1,415
		<i>¥</i> ∠ <i>¥</i>

RS4305M/10	10 Pieces Set/Rail 300mm	Ø∑ (g)
10, 11, 12, 13, 1	14, 15, 17, 19, 21, 22	1,415

RS4300A/10	10 Pieces Set/Rail 300mm	Д <sup>™</sup> Д (g)		
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16				
RS4305A/10	10 Pieces Set/Rail 300mm	(a)		

4300M(L120) (mm)	D <sub>1</sub> (mm)	D₂ (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

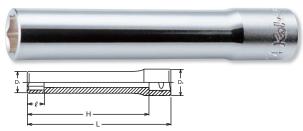
4310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	13.2	21	9	59	77	79	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	334	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
34	45.2	40	35	54	77	442	5

RS4310M/10	10 Pieces Set/Rail 300mm	₫Ъ (g)
10, 11, 12, 13, 14, 1	15, 17, 19, 21, 22	1,415

4325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	Д″Д (g)	(pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E24	26.6	25	17	59	77	215	10

**TORX®** 

# 4300M (L120) O 6-point Extra Deep Sockets Vasos Hexagonales Extra Largos

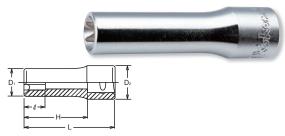


4310M Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos









(E)																		
	E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
s	S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

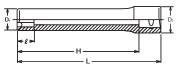






4325 (L140) O TORX® Extra Deep Sockets Vasos TORX® Extra Largos





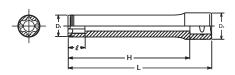
4325(L140) (E)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

## 4325 (L140)-2B 🔾



TORX® Extra Deep Sockets, Nut Grip® Vasos TORX® Extra Largos, Nut Grip®





## **NUT GRIP®**

Twin balls at the ld bolt-nut tightly

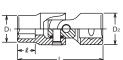
Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

4325(L140) (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
E 8(2B)	10.7	21	7	122	140	110	5
E10(2B)	13.2	21	8.2	122	140	140	5
E12(2B)	14.6	21	9.3	122	140	160	5
E14(2B)	16.5	21	10.6	122	140	180	5



4440M • 4440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal





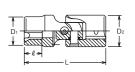
4440M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	25	15	71	170	10
20	27.8	25	15	71	173	5
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5



TORX® Universal Sockets Vasos TORX® con Articulación Universal



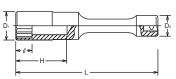


4440T (E)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

Hand Sockets







PZ2

PZ3

(PH)

T×W (mm)

1.2× 8

1.6×10

2.0×12

2.5×14

2.5×16

D (mm)

H (mm)

23.5

23.5

H (mm)

23.5

23.5

23.5

23.5

23.5

L (mm)



4117M.125 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1
21	28.5	24	21	59	125	291	1
22	30	24	22	59	125	323	1
24	32	24	24	59	125	361	1
27	36.5	24	27	59	125	439	1
30	40	24	30	59	125	461	1
32	42	24	32	59	125	498	1

4117M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1
21	28.5	24	21	59	250	496	1
22	30	24	22	59	250	516	1
24	32	24	24	59	250	560	1
27	36.5	24	27	59	250	641	1
30	40	24	30	59	250	663	1
32	42	24	32	59	250	698	1

4000 (PH)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

(g)

(g)









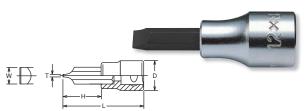
PZ Bit Sockets Vasos con Punta PZ



4005-60



Slotted Bit Sockets Vasos con Punta Recta para Cabezas Ranuradas





Phillips Bit Sockets
Vasos con Punta Phillips

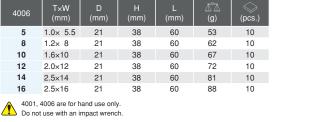






Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas







## 4010M-50 · -75 · -100 · -160 Inhex Bit Sockets Vasos con Punta Hexagonal 4010A-60







4010M.50 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5



RS4010M/10-L50
RS4010M/10-L75
RS40104/10-160

Socket Set on Rail Juego de Vasos en Regleta





1.1	1 1				9
99	nr.	H	H	H	13

4010M.75 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

4010M.160 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	123.5	160	103	10
5	22	123.5	160	104	10
6	22	123.5	160	106	10
7	22	123.5	160	108	10
8	22	123.5	160	110	10
10	22	123.5	160	126	10
12	23	123.5	160	180	5
14	24	123.5	160	260	5
17	25	120	160	360	5
19	27	118	160	415	5

	4010A.60 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	5/32	22	23.5	60	57	10
New	3/16	22	23.5	60	57	10
New	7/32	22	23.5	60	59	10
New	1/4	22	23.5	60	63	10
New	9/32	22	23.5	60	65	10
New	5/16	22	23.5	60	67	10
New	11/32	22	23.5	60	75	10
New	3/8	22	23.5	60	76	10
New	7/16	23	23.5	60	101	10
New	1/2	24	23.5	60	124	10
New	9/16	25	20	60	127	10
New	5/8	25	20	60	174	10
New	3/4	27	18	60	220	5

D0 40 40 M40 L 50		<u> Ā</u> Ā
RS4010M/10-L50	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	968
		-7-
RS4010M/10-L75	10 Pieces Set/Rail 300mm	⊕`∆ (g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	1,207
		-0-
RS4010A/10-L60	10 Pieces Set/Rail 300mm	ДД (g)
New 3/16, 7/32, 1/4, 5/16, 3	/8, 7/16, 1/2, 9/16, 5/8, 3/4	1,080

XZN Bit Sockets Vasos con Punta XZN



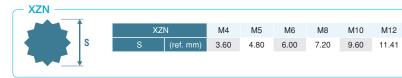


4020.60 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	61	10
M 8	22	23.5	60	63	10
M10	23	23.5	60	93	10
M12	23	23.5	60	97	10
M14	24	23.5	60	105	10
M16	25	20	60	165	10
M18	27	20	60	215	5

4020.120 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	83.5	120	86	10
M 6	22	83.5	120	87	10
M 8	22	83.5	120	89	10
M10	23	83.5	120	152	10
M12	23	83.5	120	156	10
M14	24	83.5	120	164	5

4020.100 (XZN)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 5	22	63.5	100	77	10
M 6	22	63.5	100	78	10
M 8	22	63.5	100	80	10
M10	23	63.5	100	132	10
M12	23	63.5	100	136	10
M14	24	63.5	100	144	5
M16	25	60	100	250	5
M18	27	60	100	300	5

4020.140 (XZN)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
M 5	22	103.5	140	95	10
M 6	22	103.5	140	96	10
M 8	22	103.5	140	98	10
M10	23	103.5	140	172	5
M12	23	103.5	140	176	5
M14	24	103.5	140	184	5



RS4020/6-L60	6 Pieces Set/Rail 150mm	Д¯Д (g)
M5, M6, M8,	500	

# RS4020/6-L60 Socket Set on Rail Juego de Vasos en Regleta ШШ

M18

16.85

M12

M14

13.22 15.63

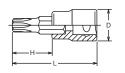
M16







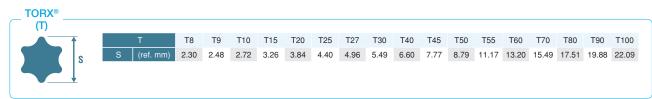




4025.60 (T)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
w T80	24	20	60	168	10

4025.100 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20	22	73.5	100	76	10
T25	22	73.5	100	76	10
T27	22	73.5	100	77	10
T30	22	73.5	100	77	10
T40	22	73.5	100	78	10
T45	22	73.5	100	80	10
T50	22	73.5	100	98	10
T55	23	73.5	100	132	10
T60	24	73.5	100	170	5
T70	24	73.5	100	175	5

4025.140 (T)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T20	22	103.5	140	94	10
T25	22	103.5	140	95	10
T27	22	103.5	140	95	10
T30	22	103.5	140	95	10
T40	22	103.5	140	97	10
T45	22	103.5	140	99	10
T50	22	103.5	140	129	10
T55	23	103.5	140	175	5
T60	24	103.5	140	229	5
T70	24	103.5	140	245	5
w T80	24	100	140	320	5





RS4025/9-L60	9 Pieces Set/Rail 250mm	₫Д (g)
T20, T25, T27, T30,	T40, T45, T50, T55, T60	700



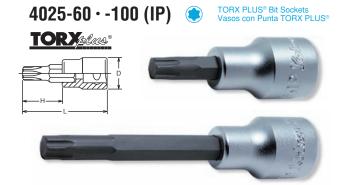
	T
	Į.
← H → L →	

4025.60 (T)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T35	22	23.5	60	96	10

4025.60 (IP)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
20IP	22	23.5	60	60	10
25IP	22	23.5	60	60	10
27IP	22	23.5	60	60	10
30IP	22	23.5	60	60	10
40IP	22	23.5	60	60	10
45IP	22	23.5	60	64	10
50IP	22	23.5	60	74	10
55IP	23	23.5	60	96	10
60IP	24	23.5	60	122	10
70IP	24	23.5	60	170	10

4025.100 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
40IP	22	63.5	100	79	10
45IP	22	63.5	100	81	10
50IP	22	63.5	100	100	10
55IP	23	63.5	100	133	10
60IP	24	63.5	100	172	5
70IP	25	63.5	100	241	5

RS4025/9-IP	9 Pieces set/Rail 250mm	Д <sup>™</sup> Д (g)					
	20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP						







IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S (ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

4027.60	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
М 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
М 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

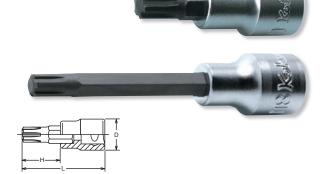
4027.100	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	63.5	100	67	10
M 6	22	63.5	100	68	10
M 7	22	63.5	100	75	10
M 8	22	63.5	100	81	10
M 9	22	63.5	100	90	10
M10	22	63.5	100	101	10
M12	23	63.5	100	134	10
M13	24	63.5	100	155	5
M14	24	63.5	100	173	5
M16	24	60	100	241	5

4027.140	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	10
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

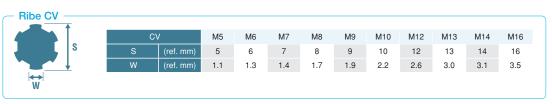
RS4027/6-L60	6 Pieces set/Rail 200mm	₫∄ (g)
M5, M6, M8	3, M10, M12, M14	600

## 4027-60 · -100 · -140





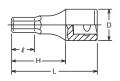












4012M.43 (mm)	D (mm)	ل (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M.75 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10

4012M.60 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M.100 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5

RS4012M/10-L60 Socket Set on Rail Juego de Vasos en Regleta







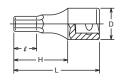
RS4012M/10-L60	10 Pieces set/Rail 300mm	Ø∄ (g)
4, 5, 6, 7, 8, 10	), 12, 14, 17, 19	910



## 









4012A.43 (inch)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10

4012A.75 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10

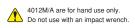
4012A.60 (inch)	D (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10

4012A.100 (inch)	D (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/32	24	15.5	78	100	75	10
3/16	24	15.5	78	100	81	10
7/32	24	15.5	78	100	85	10
1/4	24	15.5	78	100	88	10
9/32	24	15.5	78	100	93	10
5/16	24	15.5	78	100	97	10
11/32	24	15.5	78	100	111	10
3/8	24	15.5	78	100	109	10
7/16	24	15.5	78	100	142	10
1/2	24	15.5	78	100	158	10
9/16	24	15.5	78	100	169	10
5/8	24	15.5	78	100	192	5
3/4	24	15.5	78	100	243	5

RS4012A/10-L60	10 Pieces set/Rail 300mm	₫Д (g)
	1/4, 5/16, 3/8, 9/16, 5/8, 3/4	950







Reversible Ratchet Short Llave de Carraca Reversible Corta 37498-1/2





Reversible Ratchet Short with Quick Release Button
Llave de Carraca Reversible corta con botón de extracción rápida 3749SB-1/2

Quick Release











\* Renewal Kits → 3749SBRK-1/2 → P287

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3749S-1/2	34	29	14.4	110	200	5
3749SB-1/2	34	29	14.4	110	200	5

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



Locked 💍

Reversible Ratchet Llave de Carraca Reversible

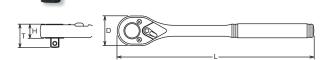






\* Renewal Kits - 4749RK ->P





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4749N-250	44.6	33	18.4	250	616	1

4749N-380

Reversible Ratchet Long Llave de Carraca Reversible Larga







\* Renewal Kits - 4749RK

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	Q-12-11 STEPHE THE	
		W. The state of th

4749J-380

Reversible Ratchet Long Llave de Carraca Reversible Larga

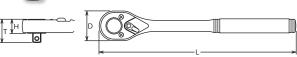






\* Renewal Kits → 4749RK → P287





	D (mm)	T (mm)	H (mm)	L (mm)	⊕`∆ (g)	(pce.)
4749N-380	44.6	33	18.4	380	753	1
4749J-380	44.6	33	18.4	380	743	1

1/2" Hand Sockets



## [4750 series]

Two dogs are set in the same axis and the three teeth hold the ratchet gear.

The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes. El aumento de la superficie de contacto produce un aumento del par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.

## 4750N

4750J

Reversible Ratchet Llave de Carraca Reversible

















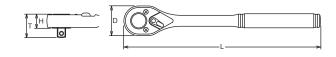








	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4750N	38	35.9	21.3	250	548	1
4750P	38	35.9	21.3	250	553	1
4750.1	38	35.9	21.3	250	508	1



## 4750NB

Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida

















4750JB

Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida

Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida











Renewal Kits → 4750BRK →P







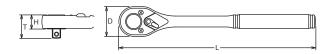




\* Renewal Kits → 4750BRK → P287



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4750NB	38	35.9	21.3	250	548	1
4750PB	38	35.9	21.3	250	553	1
4750JB	38	35.9	21.3	250	508	1



### Reversible Ratchet Llave de Carraca Reversible 4752N







[L/R Marking]

A pointer and L/R markings on the ratchet head

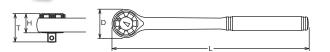
Indicate the turning direction.

The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L= lzquierda / R= Derecha) indican el sentido

de giro. El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.





	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
4752N	35	38.8	24.5	250	480	1
4752J	35	38.8	24.5	250	470	1

### Reversible Ratchet Llave de Carraca Reversible 4753N









\* Renewal Kits → 4753RK → P287

Reversible Ratchet Llave de Carraca Reversible 4753P









\* Renewal Kits → 4753RK P287

Reversible Ratchet Llave de Carraca Reversible 4753J









\* Renewal Kits → 4753RK → P287

Reversible Ratchet Llave de Carraca Reversible D4753J









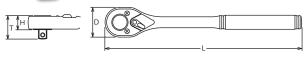
510

\* Renewal Kits → 4753RK → P287

21.6

T (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pce.)
36.2	21.6	250	595	1
36.2	21.6	250	570	1
36.2	21.6	250	545	1

250



Reversible Ratchet Long Llave de Carraca Reversible Larga



38

38

38

4753N

4753P

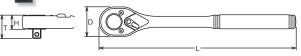
4753J



36.2







	D (mm)	T (mm)	H (mm)	L (mm)	Д`Д (g)	(pce.)
4753P-410	38	36.2	21.6	410	790	1

4753P-410



Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida













## 4753PB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida















Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida







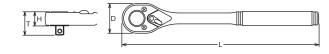








	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

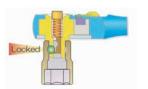
### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked.

By pushing the button the sockets or extension bars are released from the ratchet.

## Llave de Carraca Reversible con Botón de Extracción Rápida: Los vasos y accesorios se bloquean en

posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





# **GEAR TEETH**



4749series



4753series



4750series



4752series



4774series













Hand Sockets













4774NB

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, reversible con botón de extracción rápida



















4774PB

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, reversible con botón de extracción rápida

















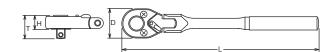
4774JB

Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida



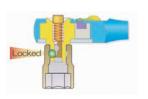


	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4774NB	38	36.2	21.6	330	700	1
4774PB	38	36.2	21.6	330	700	1
4774JB	38	36.2	21.6	330	685	1





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.





### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





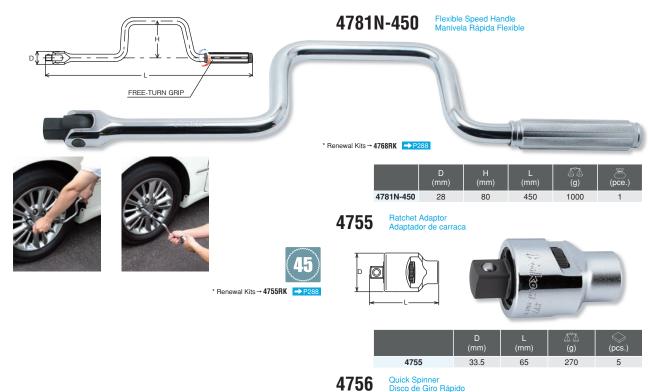


	_

4768-600 has longer handle than standard, and can be lo value. In the interest of your own safety always apply load to avoid breakage and possible injury.	ided to excessive torque evenly and progressively	8-600 has longer handle than standard, and can be loaded to excessive torque e. In the interest of your own safety always apply load evenly and progressively void breakage and possible injury.
--	---	--

	D (mm)	L (mm)	₫Д (g)	(pce.)
4768N-600	28	600	1100	1
4768P-600	28	600	1170	1
4768J-600	28	600	1120	1

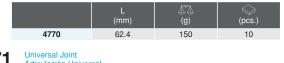






4756





34.5





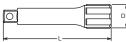
4760-50 · -75 · -100 · -125 · -150 ·

-200 · -250 · -300 · -400 · -500 ·

-600 · -900 · -1000

Extension Bars Alargaderas





PK4760/5



4763-50 · -75 · -125 · -150 · -250 · -400

Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas









	4763	D (mm)	L (mm)	₫Д (g)	(pcs.)
	50	24	50	95	10
	75	24	75	111	10
	125	24	125	157	5
	150	24	150	181	5
	250	24	250	357	5
New	400	24	400	650	1

The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

PK4763/5





Two way usage : one for as a flexible extension bar to provide at  $15^{\circ}$  angle operation, the other for use as a normal extension bar. This usage

(g)

5 Pieces Set/\$\sqrt{3}=1,050g

(mm)

4760 Extension Bars 50, 75, 125, 150, 250

PK4760/5

PLASTIC TRAY

(pcs.)

Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15 y otra para utilizarse como alargadera normal. Esta aplicación está patentada. Speed Handle Manivela Rápida 4780-400





4785

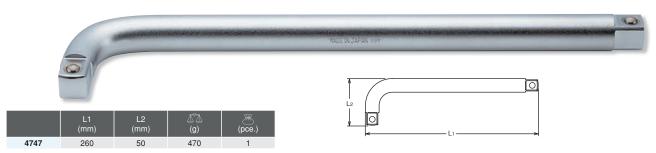
T-Handle Mango Corredizo



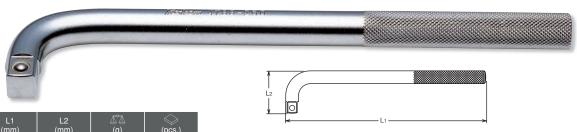


4747

L-Handle Mango Acodado



4788-250 · -300 · -450 L-Handles Mango Acodado



4788	L1 (mm)	L2 (mm)	⊕`∆ (g)	(pcs.)
250	250	53	417	2
300	300	53	503	1
450	450	53	745	1

4433A-	35 · -75 · ·	125	· -250	· -600
Adaptors Adaptadores	Warranty 290Nm Garantia 290Nm	1		

	4433A	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)
	35	1/2"	3/8"	35	50	10
New	75	1/2"	3/8"	75	120	10
	125	1/2"	3/8"	125	164	5
	250	1/2"	3/8"	250	275	5
	600	1/2"	3/8"	600	530	1



Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

	凹 (sq.)	凸 (sq.)	L (mm)	₫Ъ (g)	(pcs.)
4466A	1/2"	3/4"	42	108	10

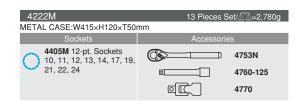






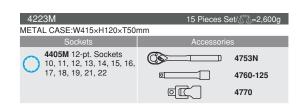
4222M Socket Set Juego de Vasos





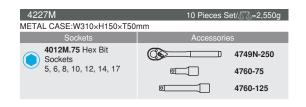
4223M Socket Set Juego de Vasos





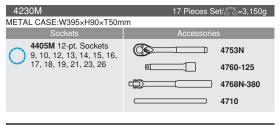
4227M Bit Socket Set Juego de Vasos con Punta

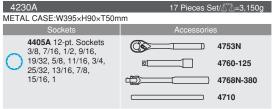




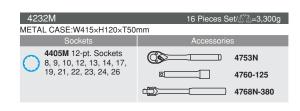
4230M · 4230A Socket Sets Juegos de Vasos







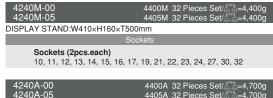




Hand Sockets

4240M-00 · 4240A-00 4240M-05 · 4240A-05





4240A-00 4240A-05 DISPLAY STAND:W410×H160×T500mm

Sockets (2pcs.each) 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4



\$4240M-00 · \$4240A-00 \$4240M-05 · \$4240A-05





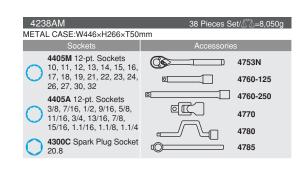
07270W 00	7703W 117 1 16663	061/ 10,000g				
DISPLAY STAND:W510×H150×T230mm						
5	Sockets					
11mm:9pcs 17i 12mm:9pcs 19i 13mm:9pcs 21i 14mm:9pcs 22i	mm:9pcs mm:8pcs mm:7pcs mm:7pcs mm:6pcs mm:6pcs	24mm:6pcs 27mm:5pcs 30mm:5pcs 32mm:4pcs				

S4240A-00 S4240A-05	4400A 103 Pieces Set/\$\tilde{\Pi} =13,000g 4405A 103 Pieces Set/\$\tilde{\Pi} =13,000g
DISPLAY STAND:W510×H150	×T230mm

DISPLAT STAND.WSTUX	H130X123011111	
	Sockets	
3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs

Socket Set Juego de Vasos 4238AM





Socket Set 4241M

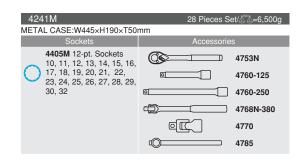


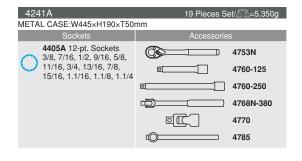
Socket Set Juego de Vasos 4241A

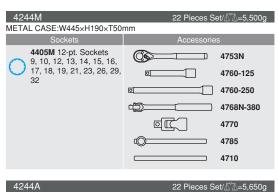


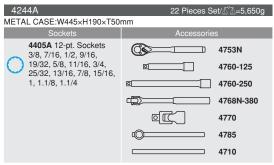
Socket Sets Juegos de Vasos 4244M · 4244A



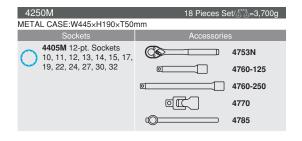




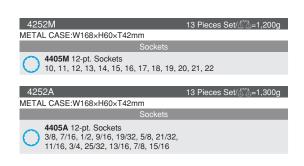


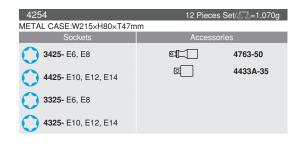


Hand Sockets









4248M Socket Set Juego de Vasos



1/2"

4250M Socket Set Juego de Vasos



4251M • 4251A Socket Sets Juegos de Vasos



4252M • 4252A Socket Sets Juegos de Vasos

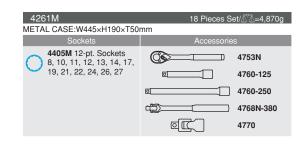


4254 Socket Set Juego de Vasos



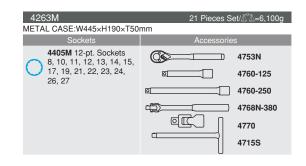
4261M Socket Set Juego de Vasos





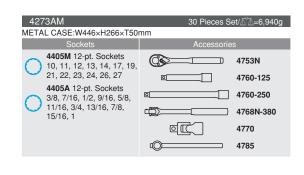




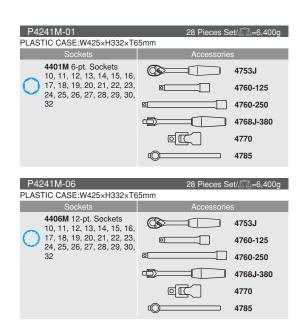






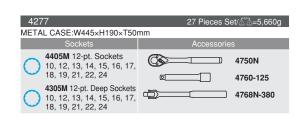


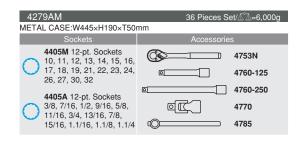


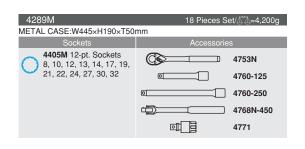


4275 24 Pieces Set/\$\tilde{\bar{A}} = 5,340g METAL CASE:W445×H190×T50mm **4400M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 4750N  $\Box$ 4760-125 4300C Spark Plug 4760-250 Sockets 16, 20.8 4768N-380 4300M Wheel Nut 4770 17(L60), 19(L60), 21(L60) 4785

4276	17 Pieces Set/\$\tilde{\Bar}\$=2,890g
METAL CASE:W370×H150×T50	mm
Sockets	Accessories
<b>4010M.50</b> Bit Sockets 6, 7, 8, 10, 12, 14	4752N
<b>4025.60</b> TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	©( <b>1</b> 4763-125







Socket Set Juego de Vasos 4275



Socket Set Juego de Vasos 4276



Socket Set Juego de Vasos 4277



Socket Set Juego de Vasos 4279AM



Socket Set Juego de Vasos 4289M



# Hand Sockets 3/4"

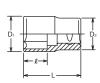
## 6400M • 6400A O 6-point Sockets Vasos Hexagonales



## 6405M • 6405A O 12-point Sockets Vasos Bihexagonales









1		1
D, -	,,,,,//	- D <sub>2</sub>
	~ℓ→ <	

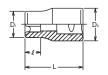
6400M 6405M	D <sub>1</sub>	D <sub>2</sub>	l	L	<u>aa</u>	
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	33	72	925	2
54	72	55	33	72	1040	2
55	73.5	53	36	72	1040	2
56	74.5	53	36	72	1006	2
57	74.3	53	36	72	1169	2
58	77	53	36	72	1149	2
60	79.5	58	39	76	1402	2
63 65	83.5	58	39	76	1494	2
65	86	63	42	80	1608	2
70 75	92	68	45	84	1785	2
75 70	98.5	73	48	86	2186	1
78	102.1	73	55	86	2425	2
80	104.5	78	52	90	2475	1
85	111	78	52	90	2620	1

6400A 6405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	لا (mm)	L (mm)	₫∄ (g)	(pcs.)
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	53	254	5
1. 1/8	41	38	20	53	292	5
1. 3/16	42	38	21	55	301	5
1. 1/4	44.5	40	23	57	351	5
1. 5/16	46	40	23.5	57	384	5
1. 3/8	48.5	42	24.5	57	422	5
1. 7/16	51	42	25.5	59	484	5
1. 1/2	52	45	26	59	523	5
1. 9/16	54.5	45	27	59	550	5
1. 5/8	56	47	28	62	633	5
1.11/16	58.5	47	29	62	659	2
1. 3/4	59.5	47	29.5	62	657	2
1.13/16	62	47	31	68	791	2
1. 7/8	64.5	45	32	68	892	2
1. 7/6	66	48	32.5	68	870	2
2		48 52				2
_	68.5 71		34.5	68	949	_
2. 1/16 2. 1/8		54	33	72	983	2
	72	55	33	72	1040	2
<ol> <li>3/16</li> <li>1/4</li> </ol>	74.5	53	36	72	1092	2
2. 1/4 2. 5/16	76 70 5	53	36	72	1169	2
	78.5	53	36	72	1344	_
2. 3/8	79.5	58	39	76	1402	2
2. 7/16	82	58	39	76	1420	2
2. 1/2	84.5	58	39	76	1497	2
2. 9/16	86	63	42	80	1608	2
2. 5/8	88.5	63	42	80	1709	2
2.11/16	89.5	63	42	80	1634	2
2. 3/4	92	68	45	84	1785	2
2.13/16	94.5	68	45	84	2018	2
2. 7/8	96	68	45	84	2062	2
2.15/16	98.5	73	48	86	2186	1
3	101	73	48	86	2309	1
3. 1/8	104.5	78	52	90	2475	1

6425 O TORX® Sockets Vasos TORX®







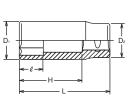
	6425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pcs.)
New	E18	22.1	34	11.9	50	156	5
New	E20	24.6	34	13.3	50	166	5
New	E22	27.1	34	14.4	50	178	5
New	E24	28.6	34	16	50	185	5
New	E26	31.1	34	17.7	55	217	5
New	E28	32.1	34	24.1	60	237	5
New	E30	35	34	24.1	60	242	5
New	E32	36.1	34	24.1	60	247	5



## 6305M • 6305A O 12-point Deep Sockets Vasos Bihexagonales Largos









6300M 6305M	D <sub>1</sub>					$\mathbb{Z}\mathbb{Z}$	
	(mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	⊕ ⊕ (g)	(pcs.)
(mm) 17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	-	100	1270	2
53	71	54	49	-	100	1338	2
54	72	55	49	_	100	1351	2
55	73.5	53	52	_	100	1388	2
56	74.5	53	52	-	100	1389	2
57	76	53	52	-	100	1467	2
58	77	53	52	-	100	1480	2
60	79.5	58	55	-	100	1626	2
63	83.5	58	55	-	100	1740	2

6300A 6305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	-	100	1338	2
2. 1/8	72	55	49	-	100	1351	2
2. 3/16	74.5	53	52	-	100	1389	2
2. 1/4	76	53	52	-	100	1467	2
2. 5/16	78.5	53	52	-	100	1787	2
2. 3/8	79.5	58	55	_	100	1626	2
2. 7/16	82	58	55	-	100	1715	2

### ℓ (mm) 15.5 15.5 15.5 15.5 15.5 15.5 15.5 22 15.5 22.5 22.5 22.5 28.5 28.5 28.5

## 6012M-75



Inhex Sockets Vasos con Punta Hexagonal



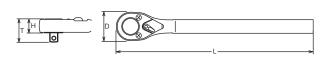
# Hand Sockets 3/4"











	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
6749	68	49.6	29.6	565	2800	1

## 6749-1000

Reversible Ratchet Llave de Carraca Reversible



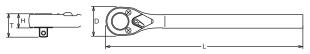




\* Renewal Kits - 6749RK







	D (mm)	T (mm)	H (mm)	L (mm)	₫" <u>/</u> (g)	(pce.)
6740 1000		40.0	00.0	1000	2000	4









\* Renewal Kits - 6755RK

60

	D (mm)	L (mm)	Д¯Д (g)	(pce.)
6755	62	97	1162	1

6755 Ratchet Adaptor Adaptador de carraca

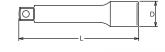




6760-75 • -100 • -125 • -150 • -200 • -300 • -400 Extension Bars Alargaderas



6760	D (mm)	L (mm)	ДД (g)	(pcs.)
75	35	75	335	10
100	35	100	434	10
125	35	125	528	10
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1















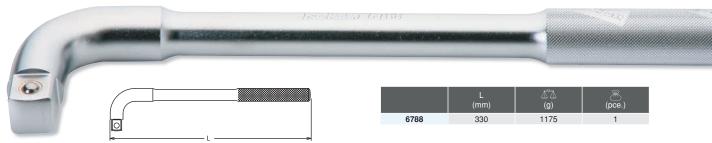


6768	D (mm)	L (mm)	<b>₫</b> Д (g)	(pce.)
600	42	600	2800	1
1000	42	1000	3400	1



	L (mm)	₫ <u>¯</u> (g)	(pce.)
6785	500	1542	1





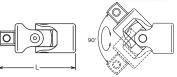
Hand Sockets



	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
6770	105	478	2

Universal Joint Articulación Universal 6770







6644A

Adaptor Warranty 668Nm Adaptador Garantía 668Nm









6688A

Adaptor Adaptador



	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)
6644A	3/4"	1/2"	47	136	5
6688A	3/4"	1"	60	285	5

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

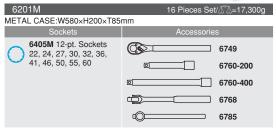


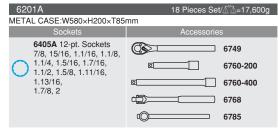


Hand Sockets 3/4"

#### 6201M • 6201A Socket Sets Juegos de Vasos





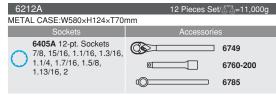


#### 6212M · 6212A

Socket Sets Juegos de Vasos



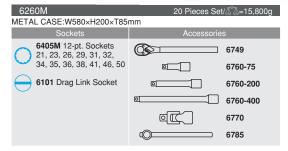
6212M METAL CASE:W580×H124×T70		:/ὧື_=11,000g
Sockets	Accessorie	S
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50	0	6749 6760-200
		6785

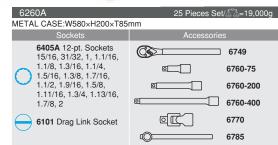


Sockets in sets can be supplied in 6-pt. or 12-pt. format.

#### 6260M • 6260A Socket Sets Juegos de Vasos

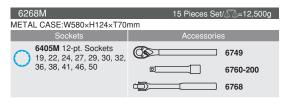






### 6268M Socket Sets Juegos de Vasos

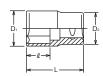




## Hand Sockets







8	400M 405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pce.)
	24	36.5	44	17	60	348	1
	27	40.5	44	19	60	362	1
	30	44	45	21	65	410	1
	32	46.5	45	23	65	455	1
	33	48	46	23.5	65	485	1
	35	50.5	48	24.5	65	536	1
	36	51.5	48	25	65	600	1
	38	54	50	26	65	624	1
	40	56.5	53	27	65	686	1
	41	58	53	28	68	747	1
	42	59	53	28.5	68	789	1
	46	64	53	31	72	928	1
	50	69	53	34	72	943	1
	54	74	55	37	72	1016	1
	55	75.5	53	42	77	1167	1
	58	79	53	41	77	1200	1
	60	81.5	58	46	82	1440	1
	63	85.5	58	45	82	1470	1
	65	88	63	49	86	1683	1
	67	90.5	63	49	86	1840	1
	68	91.5	63	49	86	1800	1
	70	94	68	50	88	1963	1
	71	95.5	68	50	88	2200	1
	75	100.5	73	53	90	2204	1
	78	104	75	52.5	90	2500	1
	80	106.5	75	58	95	2550	1
	83	110.5	78	57	95	2730	1
	85	113	80	57	95	2680	1
	90	119	80	59	100	3420	1
	95	125.5	85	58	100	4900	1
	100	131.5	85	57	100	4840	1

#### 8405M • 8405A O 12-point Sockets Vasos Bihexagonales







8400A 8405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

Hand Sockets

8012M.80 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
17	44.2	15.5	45	80	400	5
19	44.2	15.5	45	80	410	5
22	47.9	22.5	45	80	436	5
24	47.9	22.5	45	80	471	5
27	47.9	22.5	45	80	526	5
30	47.9	22.5	45	80	658	5
32	47.9	22.5	45	80	715	5
36	54.2	22.5	45	80	945	5

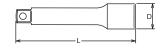




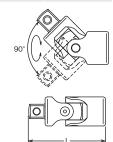
Extension Bars Alargaderas 8760-200 · -400



876	0	D (mm)	L (mm)	Д¯Д (g)	(pce.)
200	0	44	200	1300	1
400	0	44	400	2570	1



#### ₫₫ (g) 8770 143 1170



0	77	n	Universal Joint
0		U	Articulación Universal







Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.





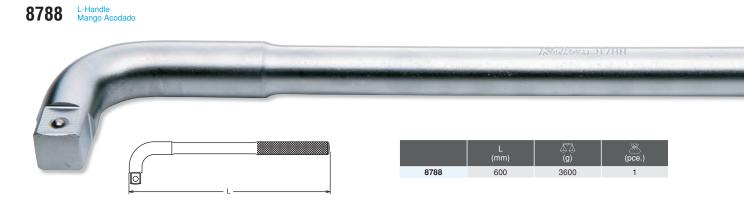
"

Hand Sockets











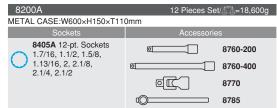
Hand Sockets

#### 8200M · 8200A

Socket Sets Juegos de Vasos



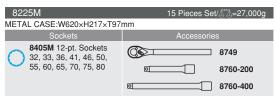
8200M METAL CASE:W600×H150×T11	12 Pieces Set/  12 Pieces Set/  0mm
Sockets	Accessories
8405M 12-pt. Sockets 35, 38, 41, 46, 50, 54, 58, 63	8760-200 8760-400
	<b>8770</b>
	® 8785



### 8225M Socket Set Juego de Vasos





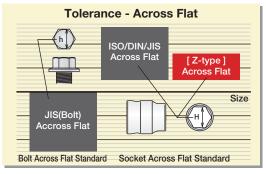


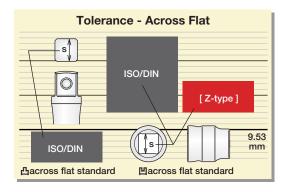
Sockets in sets can be supplied in 6-pt. or 12-pt. format.

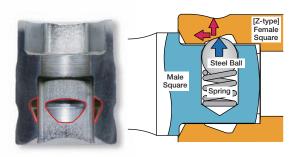


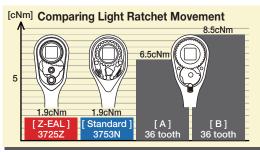
#### **Z-Series: Feature**











\* A, B : Other Brand

#### **COMPACT**

2400MZ and 3400MZ are designed 5-9mm shorter than standard 2400M and 3400M. Ideal for working in confined and tight areas.

#### **TOLERANCE-Hexagon Opening**

Ko-ken standard sockets are manufactured according to DIN/ISO standards. The tolerances of 2400MZ, 2300MZ, 3400MZ and 3300MZ sockets are precisely controlled to achieve a more positive fit between bolt and socket.

#### **TOLERANCE-Square Drive**

Manufacturing tolerance of Male and Female Square are precisely controlled to achieve a more secure fit between Socket and Handle.

#### **BALL HOLDING GROOVE**

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.



#### **RATCHET HANDLE**

Smaller head with 36 tooth gear and light ratchet movement allow working in narrow space and confined areas.

Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.

2400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3	16.8	7	15	16	10

RS2400MZ/12	12 Pieces Set/Rail 200mm	₫₫ (g)
4, 4,5, 5, 5,5, 6	5. 7. 8. 10. 11. 12. 13. 14	228

	2300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)
New	5.5	8.2	11	6	20	30	10	10
New	6	8.8	11	7	20	30	10	10
New	7	9.9	11	8	20	30	11	10
New	8	11.1	11.7	9	20	30	13	10
New	10	13.5	12.5	11	20	30	16	10
New	11	14.7	13.2	12	20	30	19	10
New	12	15.9	14.4	13	20	30	22	10
New	13	17.1	15.6	14	20	30	26	10
New	14	18.3	16.8	14	20	30	30	10

RS2300XZ/9	9 Pieces Set/Rail 200mm	Д¯Д (g)
New 5.5, 6, 7	7, 8, 10, 11, 12, 13, 14	290

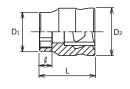
2300MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

RS2300MZ/12	12 Pieces Set/Rail 200mm	₫¼ (g)	
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14			

#### 2400MZ ()



6-point Sockets Vasos Hexagonales





### RS2400MZ/12 ()

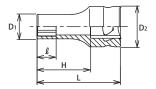




Socket Set on Rail Juego de Vasos en Regleta









#### RS2300XZ/9 ()



Socket Set on Rail Juego de Vasos en Regleta Ш

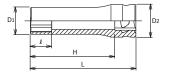


#### 2300MZ



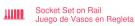
6-point Deep Sockets Vasos Hexagonales Largos



















d H				D
*	L			
	d H	d H	d H	d H

2000Z.28 (PH)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

	2000Z.50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	1	11.2	4	34	50	11	10
New	2	11.2	5	34	50	13	10
New	3	11.2	-	34	50	16	10

2005Z-25 Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada



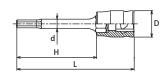
T W	
≪ W >	H

2005Z.25	T × W (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
5	$1.0 \times 5.5$	11.2	9	25	9	10
6	$1.2 \times 6.5$	11.2	9	25	10	10

2010MZ-25 · -50 Inhex Bit Sockets Vasos con Punta Hexagonal







2010MZ.25 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10

	2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
New	3	11.2	4	34	50	11	10
New	4	11.2	5	34	50	13	10
New	5	11.2	6	34	50	15	10
New	6	11.2	-	34	50	17	10

RS20XXZ/9	$\oplus$	Socket Set on Rail Juego de Vasos en Regleta

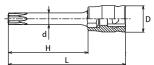
RS20XXZ	<u>′</u> /9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	1, 2, 3		
2005Z.25	5, 6		213
2010MZ.25	3, 4, 5, 6		

2025Z.28 (T)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T10	11.2	12	28	9	10
T15	11.2	12	28	9	10
T20	11.2	12	28	9	10
T25	11.2	12	28	10	10
T27	11.2	12	28	10	10
T30	11.2	12	28	10	10
T40	11.2	12	28	11	10

	2025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	T10	11.2	4	34	50	11	10
New	T15	11.2	4	34	50	11	10
New	T20	11.2	4.5	34	50	12	10
New	T25	11.2	5	34	50	13	10
New	T27	11.2	5	34	50	13	10
New	T30	11.2	5.6	34	50	15	10
New	T40	11.2	-	34	50	17	10







RS2025Z/7-L28	7 Pieces Set/Rail 200mm	₫∄ (g)				
T10, T15, T20,	T10, T15, T20, T25, T27, T30, T40					
RS2025Z/7-L50	7 Pieces Set/Rail 200mm	₫¼ (g)				
New T10, T15, T20,	220					





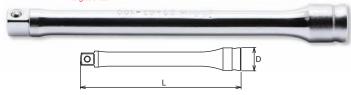
Reversible Ratchet Llave de Carraca Reversible **2725Z** 



Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta) 2726Z



Extension Bars Alargaderas 2760Z



Universal Joint Articulación Universal **2771Z** 



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Quick Spinner Disco de Giro Rápido 2756Z 2756Z-3/8

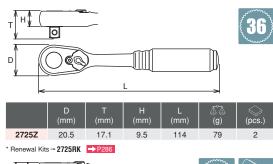


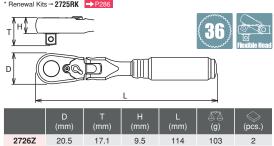


2756Z-3/8





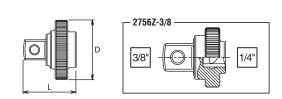




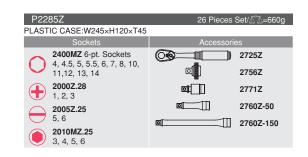
\* Renewal Kits → 2725RK → P286

2760Z	D (mm)	L (mm)	₫∄ (g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

	D (mm)	L (mm)	₫Д (g)	(pcs.)
2771Z	11.7	29.9	15	10



	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
2756Z	20.3	18	15	10
27567-3/8	20.3	21.5	24	10



2285ZE	10 Pieces Set/ὧੱ∄=300g
Rail 200mm/PLASTIC BAG	
Sockets	Accessories
<b>2400MZ</b> 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14	2725Z 2756Z

3400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M. Ideal for working in confined and tight areas.

RS3400MZ/8	8 Pieces Set/Rail 200mm	Д¯Д (g)		
8, 10, 11, 12, 13, 14, 17, 19				
RS3400MZ/12	₫∄ (g)			
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19				

	3300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	7	10.3	17	8	23	35	23	10
New	8	11.5	17	9	23	35	24	10
New	10	14	17	11	23	35	26	10
New	11	15.3	17	12	23	35	28	10
New	12	16.5	17	13	23	35	29	10
New	13	17.8	17	14	23	35	32	10
New	14	19	17	16	23	35	34	10
New	15	20.2	18.2	16	23	35	40	10
New	16	21.3	19.3	16.5	23	35	45	10
New	17	22.5	20.5	16.5	23	35	50	10
New	18	23.6	21.6	16.5	23	35	56	10
New	19	24.8	22.8	18	23	35	60	10

	RS3300XZ/8	8 Pieces Set/Rail 200mm	₫Д (g)		
New	8, 10, 11, 12, 13, 14, 17, 19				
	RS3300XZ/12	12 Pieces Set/Rail 300mm	Ø∄ (g)		
New	7, 8, 10, 11, 12, 13,	14, 15, 16, 17, 18, 19	630		





### RS3400MZ/8 RS3400MZ/12



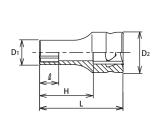
Socket Set on Rail
Juego de Vasos en Regleta



#### 3300XZ



6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



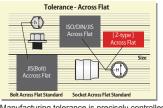
#### RS3300XZ/8 RS3300XZ/12

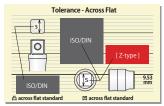




Socket Set on Rail Juego de Vasos en Regleta



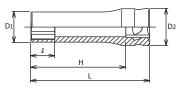




Manufacturing tolerance is precisely controlled to achieve a secure fitting.

3300MZ O 6-point Deep Sockets Vasos Hexagonales Largos





### RS3300MZ/8 Socket Set on Rail Juego de Vasos en Regleta RS3300MZ/12



RS3X00MZ/12 O Julio Socket Set on Rail Juego de Vasos en Regleta



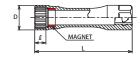


3300CZ Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas



Spark Plug Socket with Magnet, 12-pt. opening Llaves de bujía con Imán, Boca Bihex 3305PZ ()

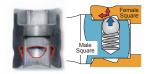




3300MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10

RS3300MZ/8	8 Pieces Set/Rail 200mm	₫Д (g)
8, 10, 11,	600	
RS3300MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 1	900	

RS3X00M	Z/12 12 Pieces Set/Rail 300mm	(g)
3400MZ	8, 10, 11, 12, 13, 14, 17, 19	550
3300MZ	8, 10, 12, 14	330



#### **BALL HOLDING GROOVE**

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.

3300CZ (mm)	D (mm)	ℓ (mm)	L (mm)	Д″Д (g)	(pcs.)
14	18.4	11	70	67	10
16	20.5	13	70	71	10
18	22.9	12	70	75	10
20.8	26.3	13.5	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.

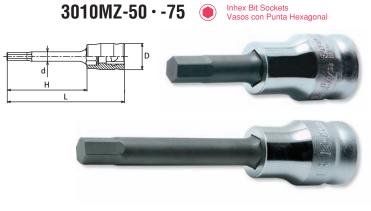
	3305PZ (mm)	D (mm)	ل (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
New	14	17.9	8	70	56	10
New	16	20	8	70	55	10

Spark Plug Socket with Magnet, 12-pt. opening: size 14mm



23.5 23.5 23.5 23.5 23.5 23.5 23.5 23.5 

	3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
New	3	17	6	48.5	75	33	10
New	4	17	6	48.5	75	35	10
New	5	17	6	48.5	75	36	10
New	6	17	7	48.5	75	41	10
New	7	17	7.9	48.5	75	45	10
New	8	17	-	48.5	75	48	10
New	10	17	-	48.5	75	65	10
New	12	19	-	48.5	75	90	10

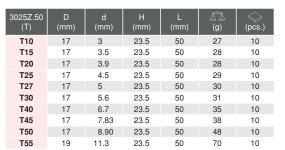


# RS3010MZ/8-L50 8 Pieces Set/Rail 200mm (g) 3, 4, 5, 6, 7, 8, 10, 12 460 RS3010MZ/8-L75 8 Pieces Set/Rail 200mm (g) 3, 4, 5, 6, 7, 8, 10, 12 530



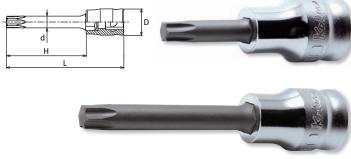


TORX® Bit Sockets Vasos con Punta TORX®



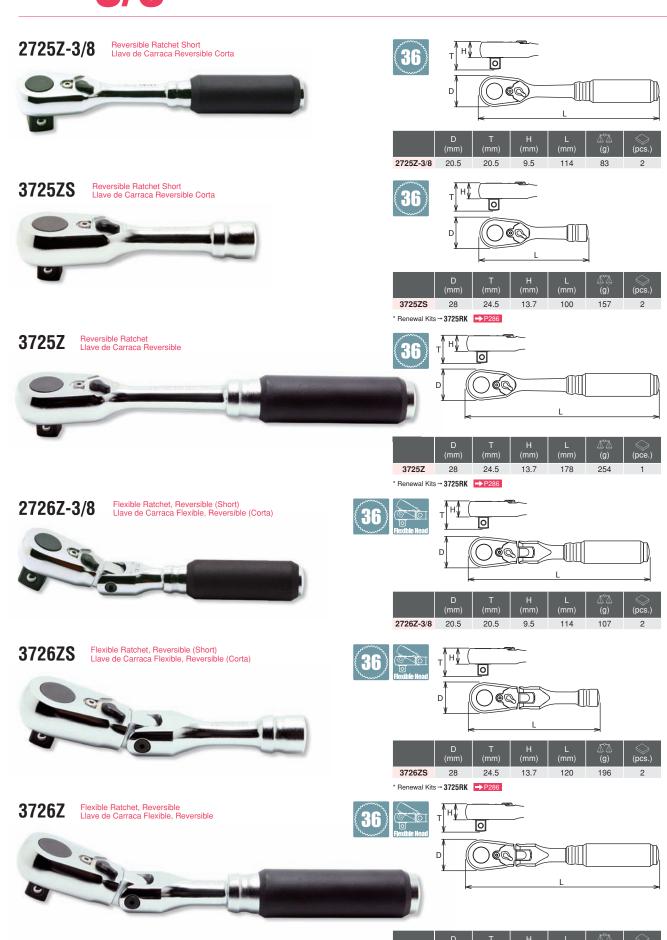
	3025Z.75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	T20	17	4.5	48.5	75	32	10
New	T25	17	5	48.5	75	33	10
New	T27	17	5	48.5	75	33	10
New	T30	17	5.6	48.5	75	35	10
New	T40	17	6.7	48.5	75	41	10
New	T45	17	7.9	48.5	75	45	10
New	T50	17	8.9	48.5	75	55	10
New	T55	19	11.3	48.5	75	80	10





3025Z-50 · -75





**3726Z** 28

\* Renewal Kits → 3725RK → P286

24.5

13.7

178 317 1

3/8"



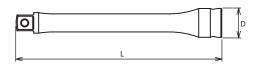
3768Z-250

Hinge Handle Mango Articulado



	D (mm)	L (mm)	ДĨД (g)	(pcs.)
3768Z-250	20.5	250	309	2

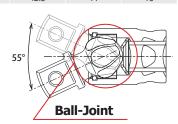
**3760Z-75 · -125 · -250** Extension Bars Alargaderas



\* Renewal Kits → 3768ZRK → P288

3760Z	D (mm)	L (mm)	ДД (g)	(pcs.)
75	17.5	75	66	10
125	17.5	125	103	10
250	17.5	250	195	5

	D	L	A.V	$\Diamond$
	(mm)	(mm)	(g)	(pcs.)
37717	18	42.5	44	10



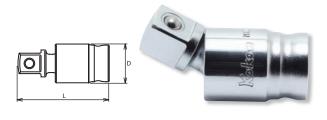
	D (mm)	L (mm)	ДĨД (g)	(pcs.)
3756Z	28	25	40	10

Outside diameter is smaller compared to standard 3756. Ideal for working in combination with 3725Z



3322AZ-75	17.5	75	42	10	
3300MZ-10	24	322AZ-75 1/4" 6:35mm	0	L	D 3/8"

3771Z Universal Joint Articulación Universal



**3756Z** Quick Spinner Disco de Giro Rápido







Socket Set Juego de Vasos 3285Z



Socket Set Juego de Vasos 3285ZA



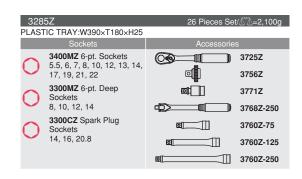


RSAL200-1/4×12·-3/8×8 Hail Rail Regleta RSAL300-3/8×12·-1/2×10



RSAL-200 · -300 CLIP.P/5-1/4 · -3/8 · -1/2





3285ZA	15 Pieces Set/△◯∄=750g
PLASTIC TRAY:W300×T90×H25	
Sockets	Accessories
3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	3725Z 3756Z 2 3771Z

3285ZE Rail 200mm/PLASTIC BAG	9 Pieces Set/△◯□=600g
Sockets	Accessories
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	3725Z

RSAL200		RAIL (mm)	CLIP (pcs.)	₫₫ (g)	(pce.)
1/4×12	1/4"	200	12	125	1
3/8×8	3/8"	200	8	130	1

RSAL300	Ø	RAIL (mm)	CLIP (pcs.)	₫Д (g)	(pce.)
3/8×12	3/8"	300	12	180	1
1/2~10	1/2"	300	10	190	1



#### RAIL

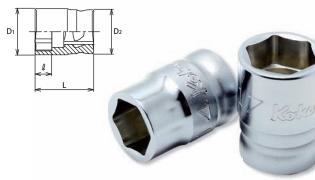
	RAIL (mm)	₫¼ (g)	(pce.)
RSAL200	200	110	1
RSAL300	300	145	1

#### CLIP

CLIF			
CLIP.P/5	Ø	₫∄ (g)	(pcs.)
1/4	1/4"	10	5
3/8	3/8"	13	5
1/2	1/2"	20	5

4400MZ ()







4400MZ (mm)

8

10

12

13

14

16

17

18

19

21

22

24

27

30

D<sub>2</sub> (mm)

20.6

20.6

20.6

21.5

21.5

21.5

22.5

23.7

24.4

26.3

27.5

29.2

32.2

35.2

36.8

12.6

17.5

18.7

19.8

22.3

23.6

24.8

26

28.4

29.6

35.7

39.3

41.7

32

15

ℓ (mm)

4.5

4.5

5.5

6.5

6.5

7.5

7.5

7.5

9.5

10.5

11

12

13.5

14.5

15.5

26

26

27

28

28

28

29

29

29

29

29

29

30

31

32

30

31

32

40

40

43

49

56

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10

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5

5

5

5

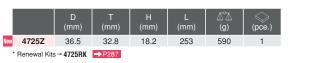
10







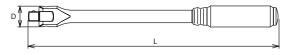








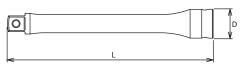
	D (mm)	L (mm)	₫₫ (g)	(pce.)	
New 4768Z-430	28	430	720	1	
* Renewal Kits → 47687RK → P288					



#### 4760Z-125 · -250 Extension Bars Alargaderas

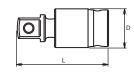


	4760Z	D (mm)	L (mm)	(g) \$\tilde{\Pi}\$	(pcs.)
New	125	22.5	125	180	5
New	250	22.5	250	340	5



Universal Joint Articulación Universal 4771Z





	D (mm)	L (mm)	₫∄ (g)	(pcs.)
New 4771Z	23.7	55.8	100	10

Quick Spinner Disco de Giro Rápido 4756Z

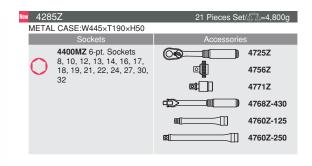




		D (mm)	L (mm)	₫∄ (g)	(pcs.)
New	4756Z	36.3	33.5	84	10

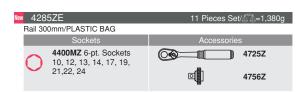
Socket Set Juego de Vasos 4285Z





Socket Set Juego de Vasos 4285ZE



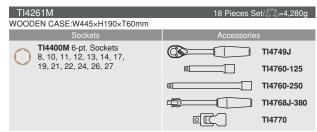




TI4261M Socket Set Titanium Juego de Vasos de Titanio







#### **Characteristic of Titanium**

Light weight : Makes it effective for operating tools. The specific gravity is only about 58% of chrome molybdenum

steel which is used for our normal products.

Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.

Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

#### Características del Titanio

Peso ligero : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo

el 58% del acero al cromo-molibdeno de nuestros productos normales.

No se oxida : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase

de productos químicos.

No es magnético : Material paramagnético que evita la magnetización de las herramientas.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.





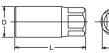
# Accessories





4100M • 4100A O Screw and Stud Pullers Extractores de Espárragos y Tornillos









#### Screw and Stud Pullers

Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

#### Extractores de Tornillos y Espárragos

El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.

4100M (mm)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pcs.)
5		24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9	1/2"	28	75	21	217	10
10	1/2	28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	<b>-</b> <u>∧</u>	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pcs.)
1/4		24	65	21	150	10
5/16		24	65	21	147	10
3/8	1/2"	28	75	21	213	10
7/16	1/2	28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	<b>-</b> <u>↑</u>	34	75	27	315	5

\* Renewal Kits → 4100MRK/4100ARK → P289



4100M-16 and 4100A-5/8 do not have 1/2" square drive. 4100M-16 and 4100A-5/8 do not have 1/2" square unive.

Drive the outer hexagon part with 27mm sockets or ring wrenches.

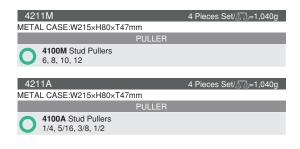
4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2" Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

#### Tolerance/Tolerancia

	00M m)	4100A (inch)		
5	4.7- 5	1/4	6 - 6.4	
6	5.6- 6	5/16	7.6- 8	
7	6.6- 7	3/8	9 - 9.6	
8	7.6- 8	7/16	10.5-11.1	
9	8.4- 9	1/2	12.1-12.7	
10	9.4-10	9/16	13.5-14.3	
10.5	9.9-10.5	5/8	15.2-16	
11	10.4-11			
12	11.4-12			
14	13.2-14			
16	15.2-16			

# Screw and Stud Pullers Sets Juegos de Extractores de Tornillos y Espárragos 4211M · 4211A 🔘







6100M (mm)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pce.)
18	3/4"	48	100	36	840	1
20	3/4	48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27	<u> </u>	63	125	46	1707	1
28	- <u>↑</u>	63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

\* Renewal Kits → 6100MRK → P289

6100M-22 to -30 do not have 3/4" square drive. Drive the outer hexagon part with sockets or ring wrenches (size 22-24mm = 36H, 27-30mm = 46H).

6100M-22-30 no tienen conductores cuadrados de 3/4" Apretar la parte hexagonal exterior con vasos o llaves de tuerca (medidas 22-24mm = 36H, 27-30mm = 46H)

#### Tolerance/Tolerancia

6100M (mm)						
18	16.9-18					
20	18.8-20					
22	20.8-22					
24	22.7-24					
27	25.7-27					
28	26.7-28					
29	27.6-29					
30	28.6-30					

14100M (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
6		24	25	48	126	10	*1
7		24	25	48	126	10	*1
8	1/2"	24	25	48	122	10	*1
9	[1/2]	28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

14100A (inch)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/4		24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8	1/2"	28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

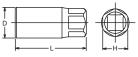
#### Tolerance/Tolerancia

	00M m)	14100A (inch)		
6	5.6- 6	1/4	6 - 6.4	
7	6.6- 7	5/16	7.6- 8	
8	7.6- 8	3/8	9 - 9.6	
9	8.4- 9	7/16	10.5-11.1	
10	9.4-10	1/2	12.1-12.7	
12	11.4-12			



6100M O Screw and Stud Pullers Extractores de Tornillos y Espárragos



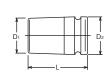




#### 14100M · 14100A



Impact Screw and Stud Pullers Extractores de Tornillos y Espárragos de Impacto





<sup>\*1</sup> C-Ring=1401C,Pin/O-Ring=1401A/B 
\*2 C-Ring=1402C,Pin/O-Ring=1402A/B

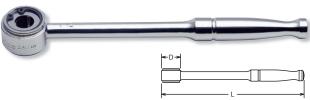
1415 O Stud Puller Ratchets Extractores de Espárragos de Carraca



141 O Stud Puller Ratchets
Extractores de Espárragos de Carraca



Stud Puller Ratchets Extractores de Espárragos de Carraca 141P O





The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño.

Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca 1201



4104 O Screw and Stud Puller Extractor de Tornillos y Espárragos



141S (mm)	D (mm)	L (mm)	₫∄ (g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	₫∄ (g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

141 (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	₫Д (g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

141P (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1

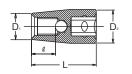


1201	4 Pieces Set/ὧ∄=973g
METAL CASE:W240×H100×T32mm	
PULLER	
141S Stud Puller Ratchet 6, 8, 10, 12	

		Toler	ance	D	L	<b>L</b> A	圏
		min	max	(mm)	(mm)	(g)	(pcs.)
4104	1/2"	φ6	φ19	54	56	489	2

4103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
6(1.0)		10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)	1/2"	15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

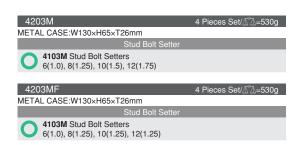


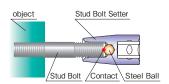


4203M 4203MF



Stud Bolt Setters Set Juego de Vasos para apretar Pernos





A special socket for installing a stud bolt. Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anticlockwise to removing the socket.

(		-	





13103M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
5(0.8)		9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)	3/8"	12.5	19	10	32	44	10	*1
8(1.25)	3/6	13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1
*4 0 0	10010 5	(O D'	4004 A /D					

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B -> P238-239

14103M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
6(1.0)		12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)	1/2"	17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

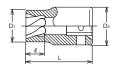
\*1 C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239





2127 O NUTTWISTER® AFLOJA TUERCAS





2127 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
4		7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6	1/4"	9.5	13	6	23	14	10
7	1/4	10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10

RS2127/6 Socket Set on Rail Juego de Vasos en Regleta

å	å	å	1	1	
	7	-	7	-	

RS2127/	6 Pieces Set/Rail 150mm	(g) (D)
	4, 4.5, 5, 5.5, 6, 7	105

RS2127/10 Socket Set on Rail Juego de Vasos en Regleta

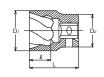




RS2127/10	10 Pieces Set/Rail 150mm	(g)
	4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5,10	180

3127 O NUTTWISTER® AFLOJA TUERCAS





3127 (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
8		11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12		17	19	12	32	44	10
13	3/8"	18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	16	35	80	10
19		26	22	16	35	92	10

RS3127/8 Socket Set on Rail Juego de Vasos en Regleta

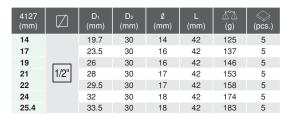


RS3127/8	8 Pieces Set/Rail 200mm	ØĎ (g)
	8, 9, 10, 11, 12, 13, 14, 16	420

3128.80 (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
8		11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11	3/8"	16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga) 3128-80





NUTTWISTER® AFLOJA TUERCAS 4127





RS4127/6	6 Pieces Set/Rail 200mm	₫∄ (g)
	960	

Socket Set on Rail Juego de Vasos en Regleta RS4127/6



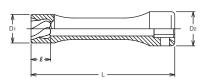
NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga) 4128-120



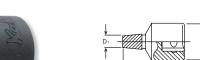
4128.120 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)
17		23.5	30	16	120	227	10
19	1/2"	26	30	16	120	247	10
21	1/2	28	30	17	120	262	10
22		29.5	30	17	120	259	10

A very effective method and easy solution for removing rounded off nuts, bolts and A very effective ineurous and casy streams. So so the Stude. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afliadas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.







3129.32 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
2		2	19	32	32	10
3		3	19	32	33	10
4	3/8"	4	19	32	33	10
6	3/0	6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

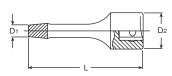
RS3129/6-L32 Socket Set on Rail Juego de Vasos en Regleta



RS3129/6-L32	6 Pieces Set/Rail 150mm	₫Д (g)
	2, 3, 4, 6, 8, 10	250

BOLTTWISTER® AFLOJA PERNOS 3129-60



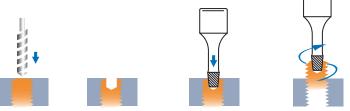


3129.60 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
2		2	19	60	38	10
3		3	19	60	42	10
4	3/8"	4	19	60	44	10
6	3/6	6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

Socket Set on Rail Juego de Vasos en Regleta RS3129/6-L60



RS3129/6-L60	6 Pieces Set/Rail 150mm	(g)
	2, 3, 4, 6, 8, 10	320



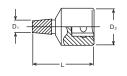
Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER $^\circ$  presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4– 2.6
3	M6	φ 3.2- 3.5
4	M8	φ 4.2- 4.5
6	M10-M12	φ 6.2- 6.5
8	M14-M16	φ 8.2- 8.5
10	M18-M20	φ 10.2–10.5
12	M22-M24	φ12.2-12.5
14	M27-M30	φ14.2-14.5
16	M33	φ 16.2–16.5

4129.37 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12	1/2"	12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10







RS4129/5-L37 5 Pieces Set/Rail 150mm (g)

8, 10, 12, 14, 16 370

RS4129/5-L37 Socket Set on Rail Juego de Vasos en Regleta



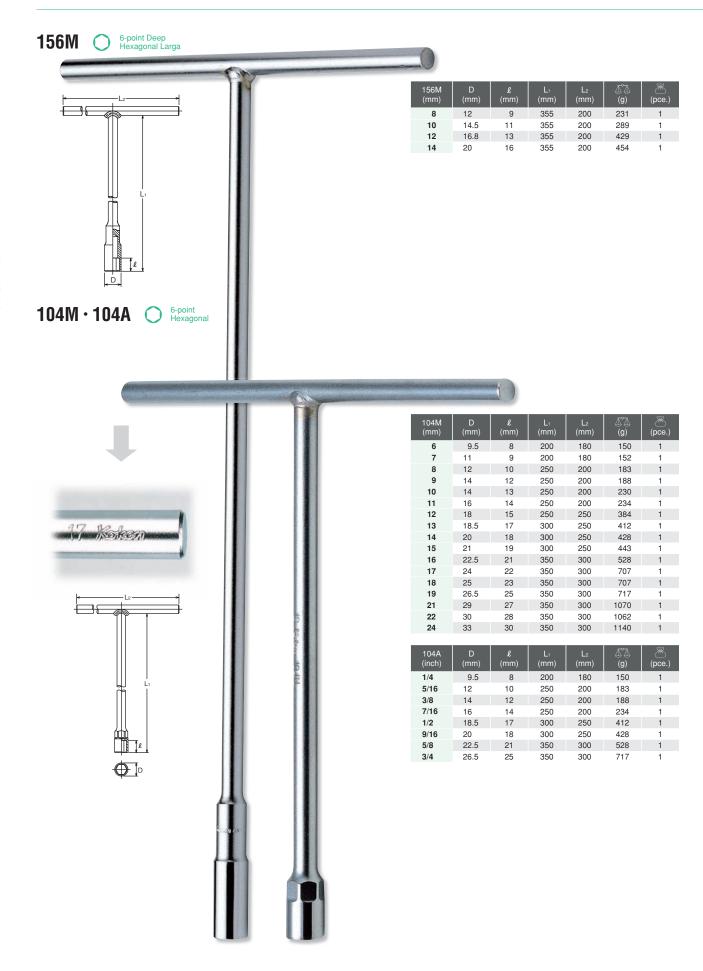
4129-75 BOLTTWISTER® AFLOJA PERNOS



4129.75 (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)
8		8	24	75	80	10
10		10	24	75	94	10
12	1/2"	12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

### RS4129/5-L75 5 Pieces Set/Rail 150mm (g) 8, 10, 12, 14, 16 600





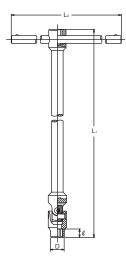
## 3116M



Universal with 6-point Socket Con articulación universal con Vaso Hexagonal

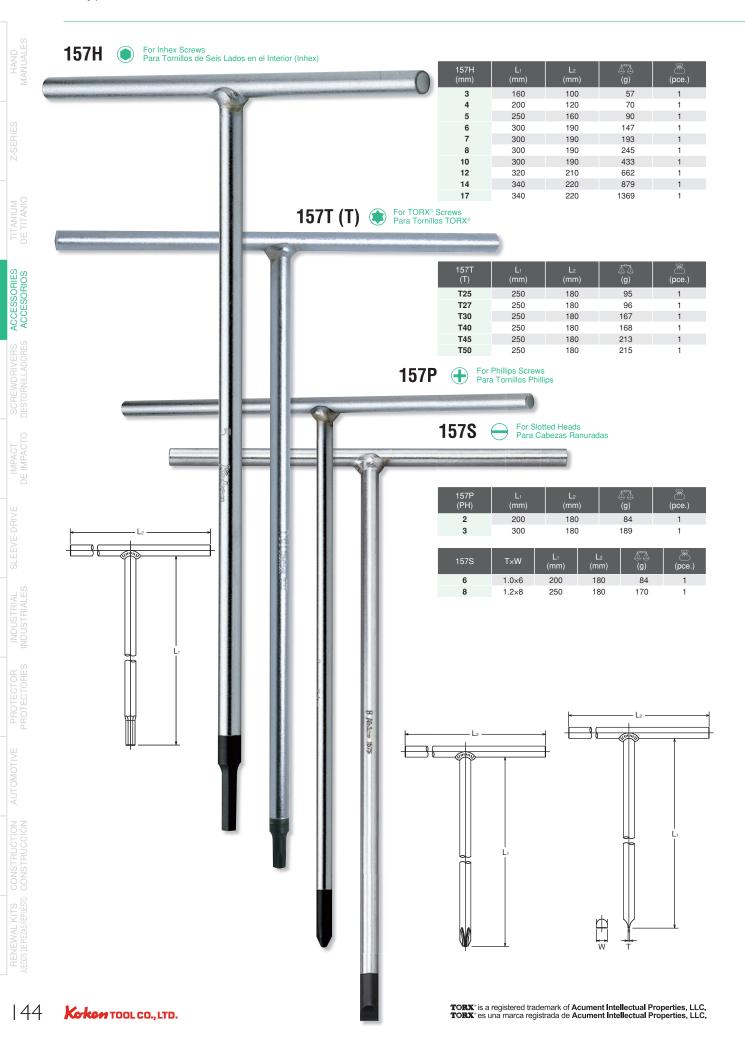


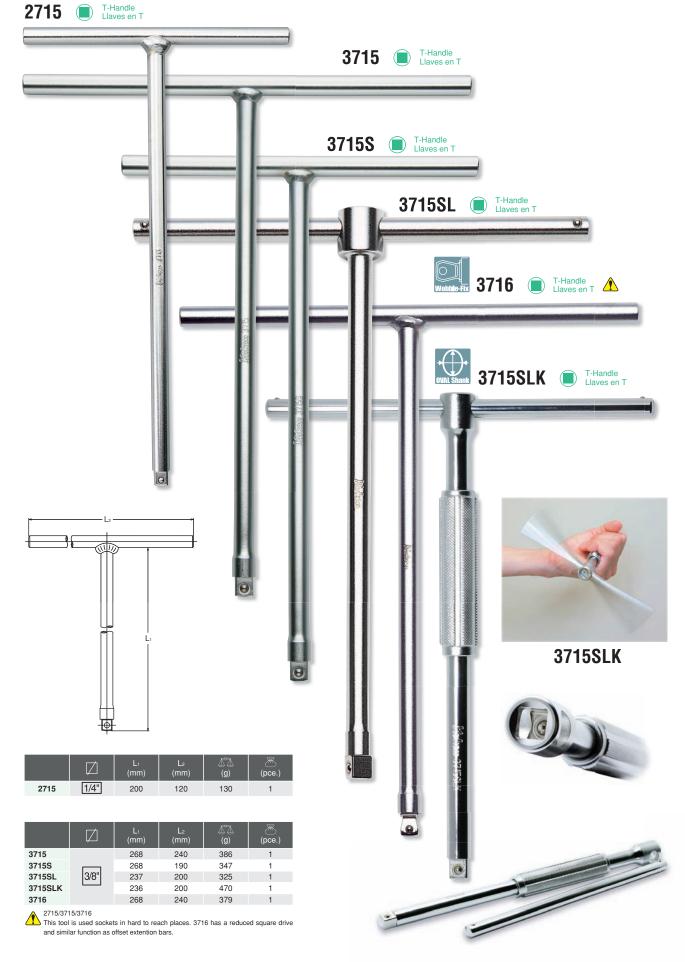
124M.600 (mm)	D (mm)	l (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	₫∄ (g)	(pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1





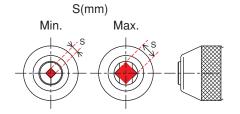








3131A		S(n	nm)	L	Æ'∆	
		Min.	Max.	(mm)	(g)	(pcs.)
1	3/8"	2.0	5.0	42	80	5
2	3/6	4.5	8.0	47	100	5





Tap is not included.

		Ø	C (mm)	L (mm)	₫₫ (g)	(pce.)
	160K	3/8"	10	220	130	1
New	160K-1/2	1/2"	10	220	135	1

	$\square$	S (mm)	D (mm)	H (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)
3132-20	3/8"	20	28	17	7	60	130	5
4132-25		25	34	22	9	60	170	2
4132-38	1/2"	38	48	24	13	80	315	2
4132-50		50	60	27	16	105	740	2



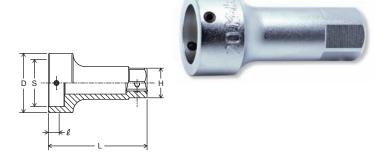
Die is not included.



Handle Llave 160K



#### Die Holder Adaptadores 3132



4132 Die Holders Adaptadores



## 102NM • 102NA Without Reverse Lever Sin palanca de inversión



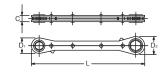




### 102KM • 102KA Reversible Reversible



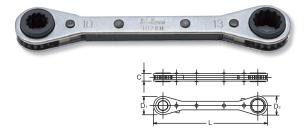




## 102KM (BH) 🔘

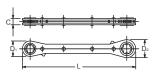


With Twin Openings (Two-in-One) Con Bocas Gemelas (Dos en Uno)



#### Reversible TORX® Reversible TORX® 102KT ()





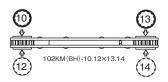
102NM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫₫ (g)	(pcs.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	60	10
$1/4 \times 9/32$	108	15.3	16.4	7.5	60	10
$1/4 \times 5/16$	108	15.3	16.4	7.5	60	10
5/16×11/32	134	17.1	19.7	7.5	80	10
5/16× 3/8	134	17.1	19.7	7.5	80	10
$3/8 \times 7/16$	140	20.1	22.7	7.5	87	10
7/16× 1/2	145	23.6	24.6	9	112	10
$1/2 \times 9/16$	145	23.6	24.6	9	112	10

102KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫¼ (g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	10
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17	200	27.1	31.8	11.5	200	5

102KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32×1/4	108	15.3	16.4	7.2	51	10
1/4 ×5/16	108	15.3	16.4	7.2	51	10
3/8 ×7/16	141	21	23.5	9.1	84	10
1/2 ×9/16	146	24	25	9.1	89	10

102KM.BH (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫₫ (g)	(pcs.)
5.5• 6× 7• 8	108	15.3	16.4	10	60	10
8 •10×12•13	141	21	23.5	13	87	10
9 •10×11•12	141	21	23.5	13	87	10
10 •12×13•14	146	24	25	13	98	5
13 •14×15•17	200	27.1	31.8	16	200	5



102KT (E)	L (mm)	D <sub>1</sub> (mm)	D₂ (mm)	C (mm)	₫¼ (g)	(pcs.)
E 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

103KM (mm)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	₫ <u>¯</u> Д (g)	(pcs.)
6× 7	108	15.3	16.4	7.5	51	5
7× 8	108	15.3	16.4	7.5	51	5
8× 9	134	17	20	9	76	5
8×10	134	17	20	9	76	5
10×11	140	21	23.5	9	84	5
10×12	140	21	23.5	9	84	5
12×13	145	24	25	9	89	5
12×14	145	24	25	9	89	5

103KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	51	5
$1/4 \times 5/16$	108	15.3	16.4	7.5	51	5
5/16×11/32	134	17	20	9	76	5
$3/8 \times 7/16$	140	21	23.5	9	84	5
$1/2 \times 9/16$	145	24	25	9	89	5

103KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
E 4×E 6	104	15.3	16.4	7.5	51	5
E 6×E 8	104	15.3	16.4	7.5	51	5
E10×E12	128	17	20	9	76	5
E14×E16	139	24	25	9	89	5

R810 (inch)

3/8×7/16

1/2×9/16

8

10

12

13

14

301

24.6

108

140

145

15.3

20.1

23.6

16.4

22.7

24.6

7.5

7.5

9

60

87

112

194

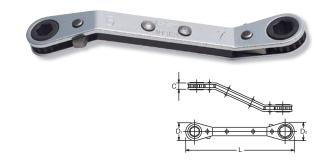
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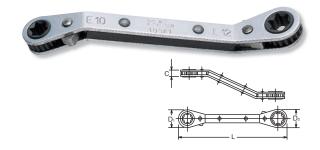
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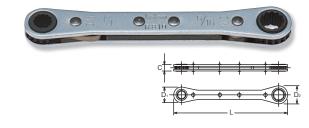
### 103KM · 103KA Revers









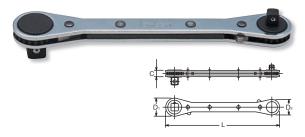


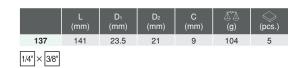




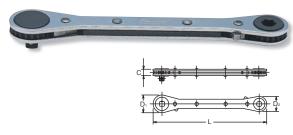
RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTORES INDUSTRIAL SLEEVE-DRIVE DE IMPACTO DESTORMILADORES ACCESSORIOS ACCESSORIOS

For 1/4" and 3/8" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4" y 3/8"





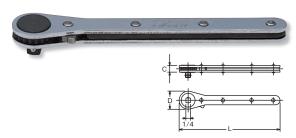


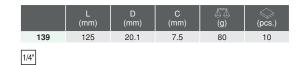


	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
138	141	23.5	21	9	97	10
		20.0		Ū	0.	.0





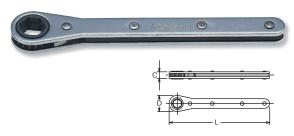






145KM (mm)	L (mm)	D (mm)	C (mm)	Д°Д (g)	(pcs.)
10H	125	20.1	7.5	72	10

#### Reversible, 10mm 6-point Reversible, 10mm Hexagonal 145KM-10H (



150-10H	$\bigcirc$	Sockets with 10mm 6-point Drive End Vasos con Conductor Hexagonal 10mm
130-1011		Vasos con Conductor Hexagonal 10mm





1203	0	Sockets v Juego de	vith 10mm Vasos cor	6-point Dri	ve End in or Hex con	Set with Ratche Llave de Carra	t ca
		•	•	118 all room		0	

150.10H (mm)	D (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10

1203	7 Pieces Set/⊿ື⊿=250g
METAL CASE:W130×H65×T20m	nm
Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	145KM-10H

5 Pieces Set/ 1 = 208g

Accessory

102NA-1/4x5/16

R810B	10 Pieces Set/ὧ∄=268g
METAL CASE:W130×H65×T20m	nm
Bits	Accessory
<b>101P</b> Phillips Bits 1, 2, 3	0 0 0 102NA-1/4×5/16
101S Slotted Bit 1×7	
128H Hex Bits 3, 4, 5, 6, 8	

R810A METAL CASE:W130×H65×T20mm

**101P** Phillips Bits 1, 2, 3

101S Slotted Bit

R810C	12 Piece	es Set//ʃ͡/͡/͡/͡/=227g
METAL CASE:W130×H65×T20m	nm	
Bits,Sockets	Accessor	ries
<b>101P</b> Phillips Bits 1, 2, 3		102NA-1/4×5/16
101S Slotted Bit 1×7	0	101A
<b>2400M</b> Sockets 5, 6, 7, 8, 9, 10		

R810D METAL CASE:W130×H65×T20m		es Set/ὧ∄=336g
Bits,Sockets	Accessor	ries
<b>101P</b> Phillips Bits 1, 2, 3	0 . 0	102NA-1/4×5/16
101S Slotted Bit 1x7		101A
128H Hex Bits 3, 4, 5, 6, 8		
<b>2400M</b> Sockets 5, 6, 7, 8, 9, 10		

R810E



**R810A** Bit Set Juego de Puntas



R810B Bit Set Juego de Puntas



R810C Bit and Socket Set Juego de Puntas y Vasos



R810D Bit and Socket Set Juego de Puntas y Vasos



101P Phillips Bits Puntas Phillips





101P (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10



1015 — Bits for Slotted Head Puntas Rectas/Planas





101S	D (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
1.0×7	6.35	15	3	10
1.2×7	6.35	15	3	10



101H Hex Bits Puntas Hexagonales





101H (mm)	D (mm)	L (mm)	ДД (g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

101B



Ball point Hex Bits
Puntas Hexagonales con bola







101B (mm)	D (mm)	L (mm)	∆ ∆ (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

Ball point bits have less strength due to the special design. Ball point bits have less surerigh.

Make sure to use them correctly.

101T (T)



TORX® Bits Puntas TORX®





101T (T)	D (mm)	L (mm)	₫Д (g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10









101T	D	L	<b>E</b> Z	<b>8</b>
(TH)	(mm)	(mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

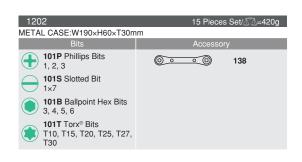


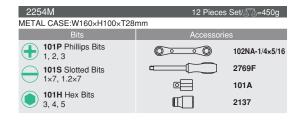
Tamper Resistant TORX® Bits have less strength due to special design. Tamper Resistant Total S...
Make sure to use it correctly.

128H (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

128T (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	₫¹₫ (g)	(pcs.)
	8	6.35	20	8	10































3112N Attack Driver Destornillador de Impacto



Attack Driver Destornillador de Impacto 3112G



Attack Driver Destornillador de Impacto 4112N



Attack Driver Destornillador de Impacto 4112G



Attack Driver Destornillador de Impacto 6112



		L (mm)	₫∄ (g)	(pce.)
3112N	2/9"	159	730	1
3112G	3/0	159	810	1

\* Renewal Kits → 3112RK → P289

	$\square$	L (mm)	₫∄ (g)	(pce.)
4112N	1/0"	163	730	1
4112G	1/2	163	810	1

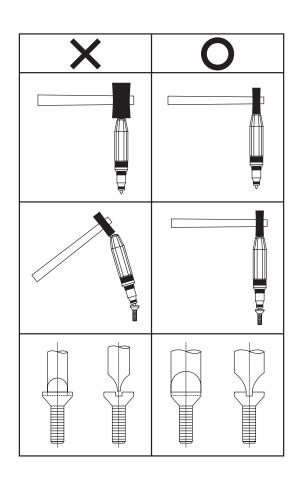
\* Renewal Kits → 4112RK → P289

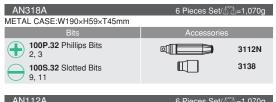
		L (mm)	(g) ( <sup>©</sup> D	(pce.)
6112	3/4"	190	1900	1

\* Renewal Kits → 6112RK → P289

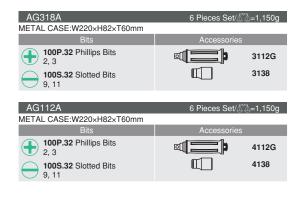


Black finished head prevents peeling off the chrome plate by striking

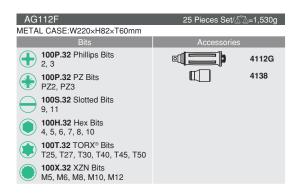




AN112A	6 Pieces Set/∄	∑∆=1,070g
METAL CASE:W190×H59×T45mm		
Bits	Accessories	S
100P.32 Phillips Bits 2, 3		4112N
100S.32 Slotted Bits 9, 11		4138



8 Pieces Set/	௴ <b>∄=1,350</b> g
Accessorie	
	4112N
	4138
	8 Pieces Set/ Accessorie



AG112H	18 Pieces Set/	∑∆=1,480g
METAL CASE:W220×H82×T60mm		
Bits	Accessories	S
100P.32 Phillips Bits 2, 3, 4		4112G
100S.32 Slotted Bits 8, 9, 10, 12, 14		4138
100H.32 Hex Bits 5, 6, 8, 10		
100T.32 TORX® Bits T30, T40, T45, T50		

### **AN318A AN112A**

Attack Driver Set Juego de Destornilladores de Impacto



### **AG318A AG112A**

Attack Driver Set Juego de Destornilladores de Impacto



#### Attack Driver Set Juego de Destornilladores de Impacto **AN112C**



#### Attack Driver Set **AG112F** Juego de Destornilladores de Impacto



#### Attack Driver Set Juego de Destornilladores de Impacto **AG112H**

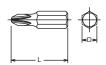


156

108P-25 · -32 · -50 Phillips Bits Puntas Phillips

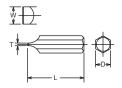












108H-25 Hex Bits Puntas Hexagonales



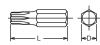




108T-25 (T) TORX® Bits Puntas TORX®







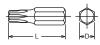
108T-25 (TH) 🔯



Tamper-Registant TORX® Bits Punta TORX®, indeformable







^ Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

Kokon TOOL CO., LTD.

108P.25 (PH)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P.32 (PH)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P.50 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S.25	T×W (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

108S.39	T×W (mm)	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
3	0.5×3	6.35	39	6	10
4	0.6×4	6.35	39	6	10
4.5	0.6×4.5	6.35	39	6	10
5	0.8×5	6.35	39	7	10
5.5	0.8×5.5	6.35	39	8	10
6	1.0×6	6.35	39	9	10
8	1.2×8	6.35	39	12	10

108H.25 (mm)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

108H.25 (inch)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T.25 (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T.25 (TH)	D (mm)	L (mm)	(g) ( <sup>©</sup> D	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

•1/4" DIN3126 C6.3

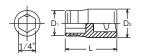








DIN3126 C6.3



		D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10







Bit Holder 4137 Porta-punta









13139

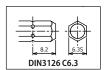


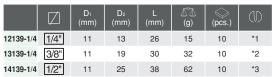


14139





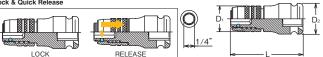




\*1 Pin/O-Ring=1200A/B

<sup>\*3</sup> C-Ring=1401C,Pin/O-Ring=1401A/B



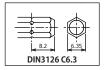


13142-D6.3 O 14142-D6.3 O



Impact Bit Holder for 1/4" (6.3) Bits Porta-punta de Impacto para Puntas 1/4" (6.3)

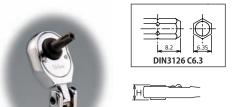
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2







\*2 C-Ring=1401C,Pin/O-Ring=1401A/B



<	— L

	D (mm)	H (mm)	L (mm)	∆̃∆ (g)	(pcs.)
2749P-1/4HF	25	12	125	96	10
2774P-1/4HF	25	12	165	133	2

## 2749P-1/4HF



Reversible Ratchet, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4"



2774P-1/4HF



Flexible Ratchet, Reversible, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4"



<sup>\*2</sup> C-Ring=1301C,Pin/O-Ring=1301A/B

SLEEVE-DRIVE IMPACT SCREWDRIVERS ACCESSORIES
DE IMPACTO DESTORNILLADORES ACCESORIOS

158





100P.32 (PH)	D (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)	
1	8	32	11	10	
2	8	32	11	10	
3	8	32	12	10	
4	8	32	12	10	

100P-32 (PZ) \*\* PZ Bits Puntas PZ







100S-32 · -80



Bits for Slotted Head Puntas Rectas/Planas





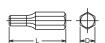
100S.32	T×W (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

100H-32 •



Hex Bits Puntas Hexagonales





100X-32 (XZN)







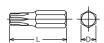


100T-32 (T)









100T-32 (TH) Tamper-Registant TORX® Bits Punta TORX®, indeformable



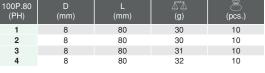






Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.





100P.125 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

100P.32 (PZ)	D (mm)	L (mm)	₫ <u>¯</u>	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

100S.80	T×W (mm)	D (mm)	L (mm)	₫₫ (g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H.32 (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
10	8	32	16	10
12	8	32	23	10
14	8	32	29	10

100X.32 (XZN)	D (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

100T.32 (T)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

100T.32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

DIN3126 C8

2138



Bit Holder Porta-punta



3138







4138





12140



Impact Bit Holder Porta-punta de Impacto



13140



Impact Bit Holder Porta-punta de Impacto

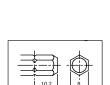


14140



Impact Bit Holder Porta-punta de Impacto





DIN3126 C8

DIN3126 C8

1/4"

3/8"

1/2"

2138

3138

4138

D<sub>1</sub> (mm

16

16

16

16

18

22

26

38

38

32

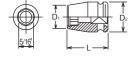
55

62

10

10

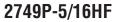
10



		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12140-5/16	1/4"	14	13	26	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	38	62	10	*3

\*1 Pin/O-Ring=1200A/B

\*2 C-Ring=1301C,Pin/O-Ring=1301A/B
\*3 C-Ring=1401C,Pin/O-Ring=1401A/B

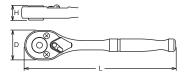




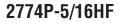
Reversible Ratchet, for Bits 5/16" Llave de Carraca Reversible, para Puntas 5/16"







	D (mm)	H (mm)	L (mm)	Ø) (g)	(pcs.)
2749P-5/16HF	25	14	125	96	10
2774P-5/16HF	25	14	165	133	2





Flexible Ratchet, reversible, for Bits 5/16" Llave de Carraca Reversible, para Puntas 5/16"



131P-80 Phillips Bits Puntas Phillips







131P.80	•	D (mm)	L (mm)	₫₫ (g)	∭ (pcs.)
1	No.1×No.2	8	80	28	10
2	No.2×No.3	8	80	29	10
3	No.3×No.3	8	80	29	10

**131S-80** 



Bits for Slotted heads Puntas Rectas/Planas

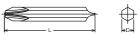


131S.80	T×W (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
6	1.0×6	8	80	29	10
7	1.0×7	8	80	29	10
8	1.2×8	8	80	30	10
9	1.6×9	8	80	31	10

131PS-80  $\bigoplus$  Double Ended Bits Puntas







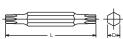
131PS.80	<b>⊕</b> ×⊖	D (mm)	L (mm)	(g)	(pcs.)
2	No.2×No.6	8	80	29	10
3	No.3×No.8	8	80	29	10

131T-80 (\*)



TORX® Bits Puntas TORX®

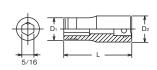




131T.80 (T)	D (mm)	L (mm)	₫Д (g)	(pcs.)
T10×T15	8	80	27	10
T20×T25	8	80	27	10
T27×T30	8	80	28	10

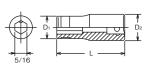
Bit Holder, Extra Deep for 131P-80, 131S-80, 131T-80 Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80 3141





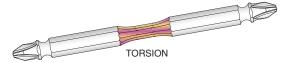
Bit Holder, Extra Deep for 131P-80, 131S-80, 131T-80 Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80





		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3141	3/8"	16	18	48	60	10
4141	1/2"	16	22	52	70	10

123PT (PH)	D (mm)	L (mm)	ДД (g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



123PT-75 · -100
2 Montres
2 feters
<u>9.5</u> <u>D</u>

123PN.75 123PG.75 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

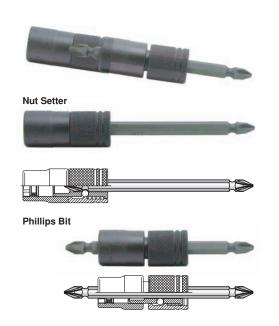
123PN-75 · -100	<b></b>	Double Ended Bits Puntas Phillips, simétricas
123PG-75 · -100	<b>+</b>	Magnetic type
		ID 2 Region JAPAN



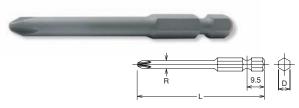
165LM.45 (mm)	D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
14	21	6.4	45	70	10

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove. Ring magnet holds a bolt or nut for easy work.







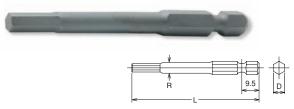


121P.50 (PH)	D (mm)	R (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

₫⁄₫ (g) 70 70 10 10 6.35 4.5 15 2 6.35 5.5 15 6.35 70 10 16

121P.100 (PH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	-	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	₫∄ (g)	∭ (pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	-	150	36	10



P 9.5	

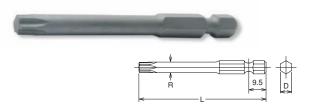
	121H.50 (mm)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
New	2.5	6.35	3.0	50	12	10
	3	6.35	3.5	50	12	10
	4	6.35	4.5	50	12	10
	5	6.35	5.6	50	13	10
	6	6.35	-	50	14	10

121H.70 (mm) D (mm) R (mm) (g) 15 10 70 3 6.35 4.0 70 15 10 6.35 4.5 70 15 10 5 70 6.35 5.6 10 16 6 6.35 18 10

	121H.100 (mm)	D (mm)	R (mm)	L (mm)	₫¼ (g)	(pcs.)
New	2.5	6.35	4.0	100	23	10
	3	6.35	4.0	100	23	10
	4	6.35	4.5	100	23	10
	5	6.35	5.6	100	24	10
	6	6.35	-	100	26	10

121H.150 (mm)	D (mm)	R (mm)	L (mm)	ДД (g)	(pcs.)
3	6.35	4.5	150	37	10
4	6.35	5.0	150	37	10
5	6.35	6.0	150	38	10
6	6.35	-	150	39	10

121T-50 · -70 · -100 · -150 (T) TORX® Bits Puntas TORX®

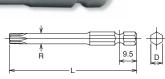


	121T.50 (T)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
New	T10	6.35	3.0	50	12	10
	T15	6.35	3.5	50	12	10
	T20	6.35	4.1	50	12	10
	T25	6.35	4.6	50	12	10
	T27	6.35	5.2	50	13	10
	T30	6.35	5.7	50	13	10
	T40	6.35	-	50	14	10

	121T.70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New	T10	6.35	3.5	70	16	10
	T15	6.35	3.5	70	16	10
	T20	6.35	4.1	70	16	10
	T25	6.35	4.6	70	16	10
	T27	6.35	5.2	70	17	10
	T30	6.35	5.7	70	17	10
	T40	6.35	-	70	18	10

	121T.100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New	T10	6.35	3.5	100	24	10
	T15	6.35	4.0	100	24	10
	T20	6.35	4.1	100	24	10
	T25	6.35	4.6	100	24	10
	T27	6.35	5.2	100	24	10
	T30	6.35	5.7	100	25	10
	T40	6.35	-	100	26	10

121T.150 (T)	D (mm)	R (mm)	L (mm)	₫∄ (g)	(pcs.)
T15	6.35	4.0	150	37	10
T20	6.35	4.5	150	37	10
T25	6.35	5.0	150	37	10
T27	6.35	5.6	150	37	10
T30	6.35	6.0	150	38	10
T40	6.35	-	150	39	10



T20H 6.35 4.1 70 16 10 70 T25H 6.35 46 16 10 6.35 5.2 70 17 10 **T27H** T30H 6.35 5.7 70 17 10 **T40H** 6.35 70 18 10

121T.100 (TH)	D (mm)	R (mm)	L (mm)	ÆZ (g)	(pcs.)
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

Tamper Resistant TORX® Bits have less strength due to special design. Tamper Hesistant 10....
Make sure to use it correctly.

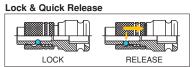
	121T.50 (IP)	D (mm)	R (mm)	L (mm)	Ø) (g)	∭ (pcs.)
New	20IP	6.35	4.1	50	12	10
New	25IP	6.35	4.6	50	12	10
New	27IP	6.35	5.2	50	13	10
New	30IP	6.35	5.7	50	13	10
New	40IP	6.35	-	50	14	10

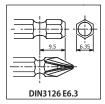
	121T.70 (IP)	D (mm)	R (mm)	L (mm)	₫∄ (g)	(pcs.)
New	20IP	6.35	4.1	70	16	10
New	25IP	6.35	4.6	70	16	10
New	27IP	6.35	5.2	70	17	10
New	30IP	6.35	5.7	70	17	10
New	40IP	6.35	-	70	18	10

	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	3/0	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

\*1 Pin/O-Ring=1200A/B

\*2 C-Ring=1301C, Pin/O-Ring=1301A/B \*3 C-Ring=1401C, Pin/O-Ring=1401A/B

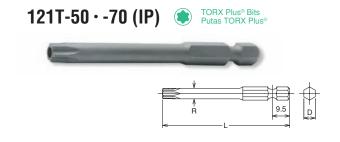




(mm)	(mm)	(g)	(pcs.)	(V)
13	36	22	10	*1
19	45	60	10	*2
25	55	100	10	*3
	19	19 45	19 45 60	19 45 60 10

\*1 Pin/O-Ring=1200A/B

\*2 C-Ring=1301C, Pin/O-Ring=1301A/B
\*3 C-Ring=1401C, Pin/O-Ring=1401A/B
\*3 C-Ring=1401C, Pin/O-Ring=1401A/B

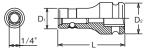


Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3) 13137H



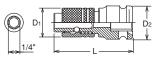
Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3) 12137E O

13137E 14137E



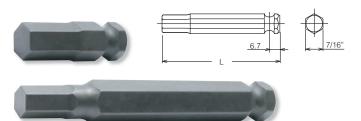


Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3) 12142-F6.3 13142-F6.3 14142-F6.3

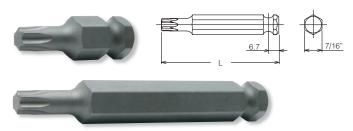




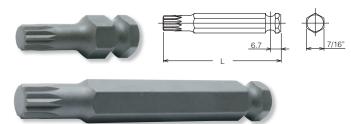
Bits for Inhex Screws Puntas para Tornillos Inhex 183H-35 ⋅ -75 **●** 



183T-35 ⋅ -75(T) TORX® Bits Puntas TORX®



XZN Bits Puntas XZN 183X-35 ⋅ -75(XZN)



Bit Holder Porta Punta 13134 14134 🔾 16134



13142-F11.2 O 14142-F11.2



	183H.35 (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
New	3	35	15	10
New	4	35	15	10
New	5	35	15	10
New	6	35	18	10
New	8	35	20	10
New	10	35	26	10
New	12	35	30	10
	183H.75 (mm)	L (mm)	₫ <u>"</u> (g)	(pcs.)
New			(g) 48	$\overline{}$
New New	(mm)	(mm)	(g)	(pcs.)
	(mm) 3	(mm) 75	(g) 48	(pcs.)
New	(mm) 3 4	(mm) 75 75	(g) 48 48	(pcs.) 10 10
New New	(mm) 3 4 5	(mm) 75 75 75	(g) 48 48 49	(pcs.) 10 10 10
New New New	(mm) 3 4 5 6	(mm) 75 75 75 75	(g) 48 48 49 51	(pcs.)  10  10  10  10

	183T.35 (T)	L (mm)	ДĨД (g)	(pcs.)
New	T30	35	18	10
New	T40	35	20	10
New	T45	35	22	10
New	T50	35	26	10
New	T55	35	30	10
New	T60	35	38	10
	183T.75 (T)	L (mm)	ДД (g)	(pcs.)
New	T30	75	48	10

	183T.75 (T)	L (mm)	Ø∄ (g)	(pcs.)
New	T30	75	48	10
New	T40	75	49	10
New	T45	75	51	10
New	T50	75	52	10
New	T55	75	57	10
New	T60	75	67	10

-	183X.35 (XZN)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
New	M 5	35	18	10
New	M 6	35	20	10
New	M 8	35	22	10
New	M10	35	26	10
New	M12	35	30	10
New	M14	35	38	10
	1007.75		<b>⊼</b> ♥⊼	黑

	183X.75 (XZN)	L (mm)	₫∄ (g)	(pcs.)
New	M 5	75	48	10
New	M 6	75	49	10
New	M 8	75	51	10
New	M10	75	52	10
New	M12	75	57	10
New	M14	75	67	10

		D (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
New 13134	3/8"	22	32	70	10	*1
New 14134	1/2"	25	38	90	10	*2
New 16134	3/4"	44	52	200	2	*3

\*1 C-Ring=1302C,Pin/O-R \*2 C-Ring=1401C,Pin/O-R \*3 C-Ring=1600C,Pin/O-R

Ring=1302A/B			
	→P238-239		1
Ring=1601A/B		I -+¦-(1)	+
			P
		6.7	Ι.
		<del>&lt; &gt;</del>	-

			DIN3126 E11.2				
D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)		
18.9	22	46	116	10	*1		
18.9	25	46	207	10	*2		

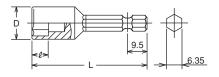
\*1 C-Ring=1302C,Pin/O-Ring=1302A/B \*2 C-Ring=1401C,Pin/O-Ring=1401A/B

13142-F11.2 3/8"

14142-F11.2 1/2"







113.50 (mm)	D (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
1/	10	0	EΩ	46	10

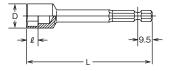


113.50 (inch)	D (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

113-75 · -100 · -150 · -200 · -250



**Nut Setters** 





113.75 (mm)	D (mm)	ل (mm)	L (mm)	ДД (g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113.150 (mm)	D (mm)	لا (mm)	L (mm)	Ø∄ (g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113.250 (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113.50 (E)	D (mm)	ل (mm)	L (mm)	₫Д (g)	∭ (pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

113.50 (mm)	D (mm)	ل (mm)	L (mm)	₫∄ (g)	∭ (pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10
					~~
113.50 (inch)	D (mm)	ℓ (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
3/8(2B)	14.2	7	50	26	10

113.100 (mm)	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

113.200 (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10







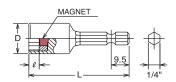


115-50 Nut Setters with Magnet Vasos para tuercas con Imán





115.50 (mm)	D (mm)	ل (mm)	L (mm)	₫Ž (g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10



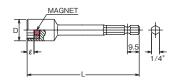
115.50 (inch)	D (mm)	ل (mm)	L (mm)	₫Д (g)	ළ (pcs.)
1/4	10	1.8	50	17	10
1/4(DP2.4)	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

115-75 · -100 · -150 · -200 · -250



Nut Setters with Magnet Vasos para tuercas con Imán





115.75 (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115.150 (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

115.100 (mm)	D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	17 5.6		58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

115.200 (mm)	D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115.250 (mm)	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



DIN3126 E6.3









113UN.150 (mm)	D (mm)	ل (mm)	L (mm)	Д¯Д (g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

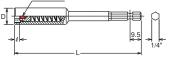
113UN.100 (mm)	D (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN.200 (mm)	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

## 115G-75 · -100 · -150 · -200 🔘

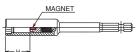


Nut Setters with sliding Magnet Vasos para tuercas con Imán Corredizo



MAGNET





115G.75 (mm)	D (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

115G.150 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G.100 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	⊕`∆ (g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G.200 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

119.50 (mm)	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

119.50 (inch)	D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14	4.2	50	30	10

Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.

#### Nut Setters with Magnet Vasos para tuercas con Imán 119



RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTORES INDUSTRIALES DE IMPACT SCREWDRIVERS ACCESSORIES ACCESSORIOS INDUSTRIALES DE IMPACTO DESTORNILLADORES ACCESORIOS















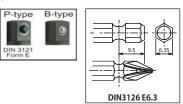


110		TYPE	L (mm)	₫¼ (g)	∭ (pcs.)		
35B		Ball	35	9	10		
35P	1/4"	Pin	35	9	10		
50B		Ball	50	15	10		
50P		Pin	50	15	10		
100B		Ball	100	34	10		
100P		Pin	100	34	10		
150B		Ball	150	54	10		
150P		Pin	150	54	10		
♦ DIN 3126 Form E 6.3							

<ul> <li>DIN 3126 Form E 6.</li> </ul>		DIN	3126	Form	Е	6.
--	--	-----	------	------	---	----

112	Ø	TYPE	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
50B		Ball	50	21	10
50P		Pin	50	21	10
100B	3/8"	Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

#### ■ DIN 3126 Form E 6.3



135E	$\square$	TYPE	L (mm)	Ø∆ (g)	∭ (pcs.)
60B	1/0"	Ball	60	46	10
60P	1/2	Pin	60	46	10

● DIN 3126 Form E 6.3

117		TYPE	L (mm)	₫Д (g)	(pcs.)
50B		Ball	50	15	10
50P	1/4"	Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

#### DIN 3126 Form G7

120		TYPE	L (mm)	ДД (g)	∭ (pcs.)
50B	2/9"	Ball	50	27	10
50P	5/0	Pin	50	27	10

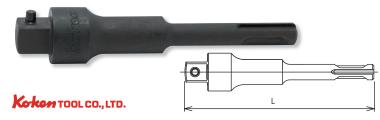
● DIN 3126 Form E8

<b>3/8 3/8</b> " 75 65	(pcs.)
<u> </u>	10
<b>1/2</b> 75 85	10

DIN 3126 Form E11.2

0

BD022-120P	$\square$	L (mm)	₫Д (g)	∭ (pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10



# Screwdrivers

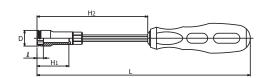






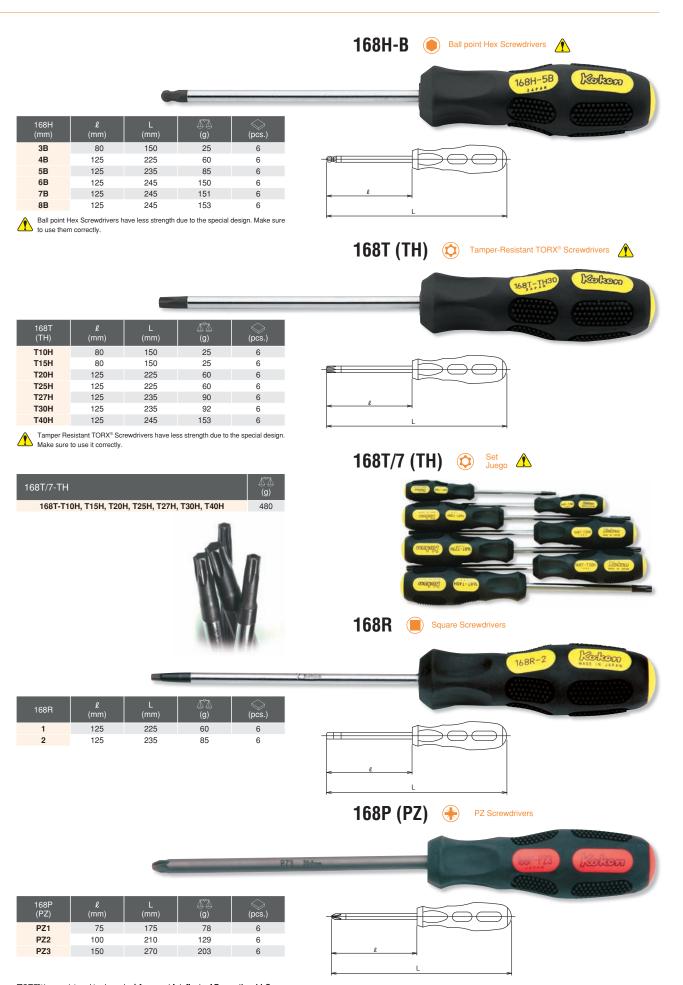






167C(2B) (mm)	D (mm)	l (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

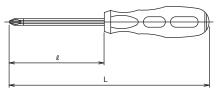
167C/3-2B PLASTIC BAG		4 Pieces Set/ὧ″∆=280g
	Socket Drivers	
Socket: Grip:	7, 8, 10 167C-GRIP	



166P Screwdrivers (Blade-Through type) Destornilladores







FLAT HAMMERING HEAD	BLADE-THROUGH
New Services	

166P (PH)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	لا (mm)	L (mm)	Д¯Д (g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6







## PK166PS/6 + $\ominus$ Set Juego













L (mm)

210

260

310

100

150

200

2×6

2×6(150)

2×6(200)

108

120

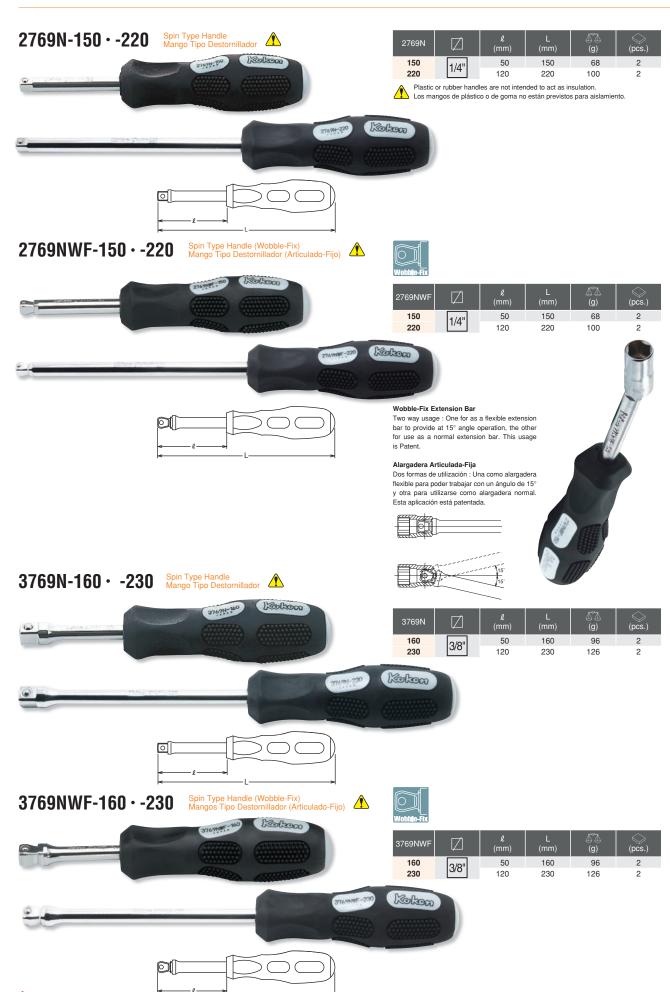
133

6

6

6

Kokon



# **Impact Sockets**

3/8"

1/4"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

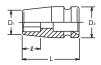
3-1/2"



12400M · 12400A O 6-point Sockets Vasos Hexagonales







## **FLAT DRIVE**®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

#### 12400MG · 12400AG (



6-point Sockets with Magnet Vasos Hexagonales con Imán



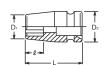


#### 12410M ()



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

12400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

12400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

<sup>\*1</sup> Pin/O-Ring=1200A/B > P239

12400MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

12400AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

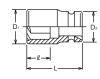
<sup>\*1</sup> Pin/O-Ring=1200A/B > P239

12410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	ℂⅅ
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

<sup>\*1</sup> Pin/O-Ring=1200A/B > P239

					107	,	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1
*1 D:=/O D:=	- 1000A/D	- D000					

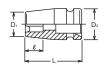






12425







12.2 \*1 Pin/O-Ring=1200A/B > P239

6.6

7.7

8.7

9.2

97

13

13

13

13

13

13

4.6

5.2

5.4

6.6

7 8.2 23

23

23

23

23

23

14

15

15

15

15

15

10

10

10

10

10

10

\*1

\*1

\*1

\*1

\*1



12425 (E) E 4

E 5

E 6

E 7

F 8

E10



Е											E18					
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

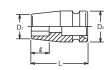
#### 12460M (g) (mm) 5.5 9.7 13 4 23 15 10 \*1 6 10.3 13 5 23 15 10 7 11.6 13 5 23 16 10 \*1 8 12.8 13 6 23 16 10 \*1 10 15.3 13 23 19 10 \*1 13 19.1 13 8 23 23 10 \*1

12460A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

<sup>\*1</sup> Pin/O-Ring=1200A/B > P239

## 12460M · 12460A







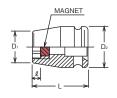
12460MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫'∆ (g)	(pcs.)	(I)
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

\*1 Pin/O-Ring=1200A/B > P239

## 12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes







12300M O 6-point Sockets, Deep Vasos Hexagonales Largos



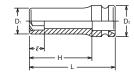
P: #	1
	J <sub>2</sub>
<€₽ H ———————————————————————————————————	

12365M ()



Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos



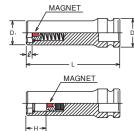


12300G ()



Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo





12760-55 · -75 · -100

Extension Bars Alargaderas





12222AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)

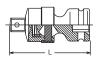




12770

Universal Joint Articulación Universal





12233A



Adaptor Adaptador



12300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

\*1 Pin/O-Ring=1200A/B > P239

12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

\*1 Pin/O-Ring=1200A/B > P239

12300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

\*1 Pin/O-Ring=1200A/B > P239

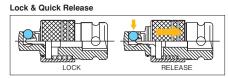
	12760	D (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
	55	13	55	26	10	*1
	75	13	75	45	10	*1
New	100	13	100	50	10	*1

\*1 Pin/O-Ring=1200A/B >P239

	L (mm)	₫₫ (g)	(pcs.)	(1)
12222AL	35	30	10	*1

\*1 Pin/O-Ring=1200A/B >P239





	L (mm)	₫₫ (g)	(pcs.)	(D)
12770	39	30	10	*1

\*1 Pin/O-Ring=1200A/B P239

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	W
12233A	1/4"	3/8"	22	15	10	*1
12233A-B	1/4"	3/8"	22	15	10	*1
12233A-P	1/4"	3/8"	22	15	10	*1

\*1 Pin/O-Ring=1200A/B P239



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13400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(I)
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

13405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¾ (g)	(pcs.)	(1)
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2

13405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pcs.)	ⅆ
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13401MS/5	5 Pieces Set/Rail 150mm	₫¼ (g)
	8, 10, 12, 13, 14	180

# 13400M · 13400A O 6-point Sockets Vasos Hexagonales









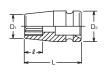
13400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	W
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

### 13405M · 13405A



12-point Sockets Vasos Bihexagonales





### 13401MS



6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short







# RS13401MS/5





Socket Set on Rail Juego de Vasos en Regleta





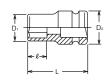
RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTORES INDUSTRIAL SLEEVE-DRIVE IMPACTO DESTORNILLADORES ACCESSORIES TITANION DE IMPACTO DESTORNILLADORES ACCESORIOS DE TITANIO

# 13401M • 13401A O 6-point Socket, Thin Walled Vasos Hexagonales de Pared Delgada









13401A (inch)	D <sub>1</sub> (mm)	D₂ (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

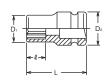
\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B



13406M • 13406A O 12-point Socket, Thin Walled Vasos Bihexagonales de Pared Delgada







13406A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B



RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12	2, 13, 14, 17, 19, 21, 22	505

13400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)	(D)
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13465M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

22

25.8

27

18

19

13

22 13

32

32

63

66

10

10 \*2

13425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

13425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

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# 13400MG • 13400AG Of-point Sockets with Magnet Vasos Hexagonales con Imán







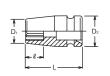
13400AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)	ⅆ
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

#### 13410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)

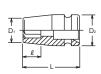




#### 13465M



Pathfinder Sockets Vasos Pathfinder (Guía)

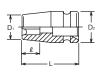




#### 13425



TORX® Sockets Vasos TORX®





#### 13425-EPL ()



TORX PLUS® Sockets Vasos TORX PLUS®



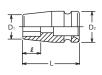




13460M • 13460A OF For Self-Tapping Screws Para Tornillos Autorroscantes







#### 13460MG · 13460AG

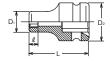
Sockets with Magnets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes





## 13401LH CHS Sockets Vasos LHS





13460M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѡ
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
13	20.3	22	10	32	60	10	*2

13460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13460MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401LH (LH-S)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
88	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
148	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

LH-S	LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
D (ref.	mm) 7.5	9.0	12.0	15.0	18.0	21.0	24.0
d (ref.	mm) 5.60	6.78	9.04	11.30	13.56	15.82	18.08

#### 13400-WN Weld Nut Sockets

**LHSTIX**®





13400-WN	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)	W
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

— WN ————									
<b>*</b>	W	N	6WN	8WN	9WN	10WN	12WN	14WN	17WN
s	S	(ref. mm)	6	8	9	10	12	14	17







1		1
<b>√</b>		D <sub>2</sub>
	€ℓ≯ ← H — → ← L —	>

9	9 Pieces Set/Rail 250mm	₫∄ (g)
8, 10, 12, 13, 14	4, 17, 19, 21, 22	710

₫⁄₫ (g)

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49

53

67

70

75

78

82

86

93

104

110

115

120

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	13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
	8	13.3	19	4	20.5	50	40	10	*1
	10	15.8	19	4.5	20	50	46	10	*1
New	11	17	19	5	20	50	50	10	*1
	12	18.3	19	6	20	50	55	10	*1
	13	19.5	22	6.5	19	50	70	10	*2
	14	20.8	22	7	18	50	75	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13301X (mm)

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23

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12.3

14.8

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17.3

18.5

19.8

21

22.3

23.5

24.8

26

28.5

29.8

31

32.3

RS13301X/9

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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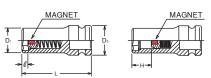
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RS13301X/9 🔾 📖	Socket Set on Rail Juego de Vasos en Regleta
	15 A 21 may 15 mg 2

Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo 13300XG (

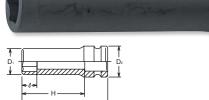




13300M · 13300A



6-point Sockets, Deep Vasos Hexagonales Largos



13300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(V)
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2
*1 C-Ring-	1201C Di	n/O₌Ring=	1301A/B					

<sup>\*2</sup> C-Ring=1301C, Pin/O-Ring=1301A/B
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B



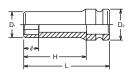
13301M · 13301A



6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada







⊈ (g) 65 \*1 6 10 18.5 66.5 80 10 6 \*1 11 18.5 66.5 80 66 10 8 12.3 18.5 8 66.5 80 68 10 \*1 \*1 9 13.5 18.5 9 66.5 80 70 10 \*1 10 14.8 18.5 10 66.5 80 72 10 11 16 18.5 11 66.5 80 80 10 \*1 12 17.3 18.5 12 66.5 80 85 10 \*1 13 18.5 21.5 13 66.5 80 100 10 \*2 14 19.8 21.5 14 66.5 80 110 10 \*2 15 21 21.5 15 65.5 80 120 10 \*2 16 22.3 21.5 16 65.5 80 130 10 \*2 17 23.5 21.5 17 65.5 80 136 10 \*2 18 24.8 21.5 18 64.5 80 145 10 \*2 19 26 21.5 64.5 80 155 10 \*2 20 27.3 21.5 20 64.5 80 170 10 \*2 21 28.5 21.5 21 64.5 80 181 10 \*2 22 29.8 21.5 22 63.5 80 190 10 \*2

13301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

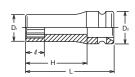
\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

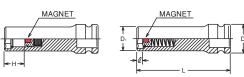
#### 12-point Sockets, Deep Vasos Bihexagonales Largos 13305M





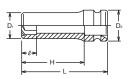
Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo 13300G ()





Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos 13310M





13310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)	W
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
19	27	22	19	64.5	80	190	10	*2

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	₩
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2
*1 C Bing 1	1201C Di	o/O Bing	1001A/D					

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B \*2 C-Ring=1302C, Pin/O-Ring=1302A/B

	13325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
New	E 8	11.7	19	7	66.5	80	80	10	*1
New	E10	12.2	19	8.2	66.5	80	85	10	*1
New	E12	14.2	19	9.3	66.5	80	90	10	*1
New	E14	17.2	19	10.6	66.5	80	110	10	*1
New	E16	18.2	19	11.8	66.5	80	110	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

13440M (mm)	D (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
10	15.8	5	57	115	10	*1
11	17	6	57	115	10	*1
12	18.3	6	57	115	10	*1
13	19.5	6	57	115	10	*1
14	20.8	7	59	120	10	*1
15	22	7	59	120	10	*1
16	23.3	8	59	120	10	*1
17	24.5	8	59	120	10	*1
18	25.8	9	61	126	10	*1
19	27	10	61	130	10	*1
20	29.5	10	61	135	10	*1
22	32	13	61	185	10	*1
24	34.5	13	63	190	10	*1

ı	13440A (inch)	D (mm)	ل (mm)	L (mm)	(g)	(pcs.)	W
	3/8	15.8	5	57	115	10	*1
	7/16	17	6	57	115	10	*1
	1/2	19.5	6	57	115	10	*1
	9/16	20.8	7	59	120	10	*1
	5/8	23.3	8	59	120	10	*1
	11/16	24.5	8	59	120	10	*1
	3/4	27	10	61	130	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

13440T (E)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	W
E10	13.3	8.2	58	115	10	*1
E12	15.8	9.3	58	115	10	*1
E14	17	10.6	58	115	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

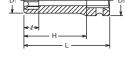
13430M (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5	24	15	74	120	10	*1
6	24	15	74	131	10	*1
8	24	20	74	136	10	*1
10	24	20	74	141	10	*1
17	24	7	53	150	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239













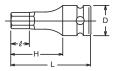








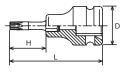




13025-50 · -90

TORX® Bit Sockets
Vasos con Punta TORX®





13025.50 (T)	D (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)	W
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13025/8-L50

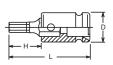






13105-11 Hex Bit Sockets Vasos con Punta Hexagonal





13105.11 (inch)	D (mm)	H (mm)	L (mm)	Ø∑ (g)	(pcs.)	W
1/4	22	22	54	89	10	*1
5/16	22	22	54	92	10	*1
3/8	22	22	54	96	10	*1
1/2	22	22	54	108	10	*1
3/4	22	22	54	128	10	*1

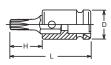
\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

TORX® Bit Sockets Vasos con Punta TORX®





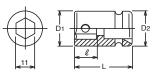




13105







13012M.52 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
14	21	15.5	34	52	92	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B 
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

	13025.90 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
New	T20	19	63.5	90	43	10	*1
New	T25	19	63.5	90	45	10	*1
New	T27	19	63.5	90	47	10	*1
New	T30	19	63.5	90	50	10	*1
New	T40	19	63.5	90	58	10	*1
New	T45	19	63.5	90	66	10	*1
New	T50	19	63.5	90	80	10	*1
New	T55	22	63.5	90	120	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B
\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

2 0	r i iiiig= io	020, 1 111/	o rung-r	002700	

RS13025/8-L50	8 Pieces Set/Rail 200mm	₫Д (g)
T20, T25, T27, T3	30, T40, T45, T50, T55	380

13105.11 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
3	22	22	54	87	10	*1
4	22	22	54	87	10	*1
5	22	22	54	88	10	*1
6	22	22	54	89	10	*1
7	22	22	54	90	10	*1
8	22	22	54	92	10	*1
10	22	22	54	96	10	*1
12	22	22	54	101	10	*1
14	22	22	54	108	10	*1
17	22	22	54	120	10	*1
19	22	22	54	128	10	*1

13105.11 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
T25	22	22	54	87	10	*1
T30	22	22	54	87	10	*1
T40	22	22	54	87	10	*1
T45	22	22	54	87	10	*1
T50	22	22	54	92	10	*1
T55	22	22	54	96	10	*1
T60	22	22	54	101	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	W
13105	22	22	13	32	70	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239



Replacement Screw : M5x6, \$\infty\$ 2.5mm

107.11	L	<b>Z</b> Z	<b>X</b>
(mm)	(mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8 10	35 35	20 26	10 10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10
107.11(L80)	L	<u> </u>	
(mm)	(mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7 8	80 80	57 59	10 10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10
107.11	L	<b>L</b> A	M
(T)	(mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10
107.11(L80)	L	$\Delta D$	
(T)	(mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45 T50	80 80	56 57	10 10
T55	80	66	10
T60	80	76	10
		x-0-1	<b>%</b>
107.11 (IP)	L (mm)	(g) <u>(a)</u>	(pcs.)
	35	18	10
New 30IP New 40IP	35	20	10
New 45IP	35	22	10
New 50IP	35	25	10
New 55IP	35	30	10
New 60IP	35	40	10
107.11(L80)	L	<b>L</b> A	
(IP)	(mm)	(g)	(pcs.)
New 30IP	80	55	10
New 40IP	80	55	10
New 45IP New 50IP	80 80	55 57	10 10
New 55IP	80	65	10
New 60IP	80	76	10
			<b>*</b>
107.11 (XZN)	L (mm)	(g) <u>A</u> A	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10
107.11(L80)	L	<u> </u>	
(XZN)	(mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6 M 8	80	56 57	10 10
M10	80 80	66	10
M12	80	76	10
M14	80	80	10
		ument Intellectual F	



107-11	icrews rnillos de Seis Lados en el Interior (Inhex)
	Ol Ol
	8

107.11 (inch)	L (mm)	₫∄ (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10









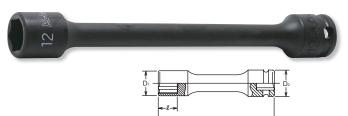


#### 107-11 (XZN) XZN Bits Puntas XZN



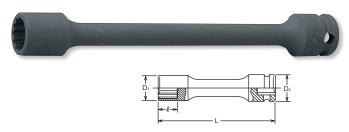
#### 13145M-100 · -150 · -200 · -250





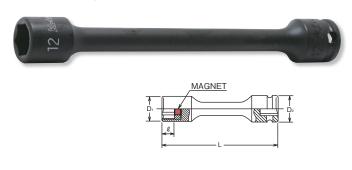
13145M.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	(1)
8	13.3	19	8	100	90	1	*1
10	15.8	19	10	100	92	1	*1
12	18.3	19	12	100	100	1	*1
13	19.5	19	13	100	108	1	*1
14	20.8	19	14	100	112	1	*1
17	24.5	19	17	100	140	1	*1

#### 13145M-100(12P) ·-150 (12P) · Extra Long 12-point Sockets Vasos Bihexagonales, Extra-Largos -200 (12P) O



## 13145MG-100 · -150 · -200





13145M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	₩
6	10.8	19	6	150	105	1	*1
8	13.3	19	8	150	110	1	*1
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1
13	19.5	19	13	150	137	1	*1
14	20.8	19	14	150	146	1	*1
15	22	19	15	150	155	1	*1
17	24.5	19	17	150	163	1	*1

13145M.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
6	10.8	19	6	200	136	1	*1
8	13.3	19	8	200	141	1	*1
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1
13	19.5	19	13	200	168	1	*1
14	20.8	19	14	200	177	1	*1
15	22	19	15	200	186	1	*1
17	24.5	19	17	200	194	1	*1

13145M.250 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

13145M.100 (12P) (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	(1)
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

13145M. (12P) (mm	(mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pce.)	W
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M.200 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

13145MG.100 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫₫ (g)	(pce.)	W
8	13.3	19	3.5	100	90	1	*1
10	15.8	19	4.2	100	93	1	*1
12	18.3	19	5.6	100	105	1	*1
13	19.5	19	6	100	115	1	*1
14	20.8	19	6.4	100	120	1	*1

	13145MG.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pce.)	(I)
New	8	13.3	19	3.5	150	120	1	*1
	10	15.8	19	4.2	150	125	1	*1
	12	18.3	19	5.6	150	136	1	*1
	13	19.5	19	6	150	145	1	*1
	14	20.8	19	6.4	150	150	1	*1

13145MG.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

3/8<sup>11</sup> Impact Sockets

13146M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫'∄ (g)	(pce.)	(1)
8	12	19	6	150	128	1	*1
10	14.3	19	7	150	131	1	*1
12	18	19	8	150	133	1	*1
13	19.3	19	8.5	150	132	1	*1
14	20	19	9	150	132	1	*1

13146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

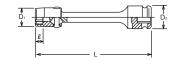
13146M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pce.)	ⅆ
8	12	19	6	250	190	1	*1
10	14.3	19	7	250	193	1	*1
12	18	19	8	250	195	1	*1
13	19.3	19	8.5	250	194	1	*1
14	20	19	9	250	194	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B P238-239

### 13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal





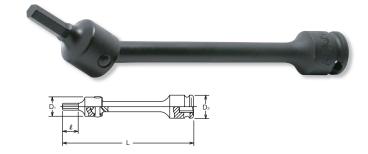
13147M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	(1)
4	21	19	15	150	125	1	*1
5	21	19	15	150	128	1	*1
6	21	19	15	150	132	1	*1
8	21	19	15	150	136	1	*1
10	21	19	15	150	140	1	*1

13147M.2 (mm)	00 D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pce.)	W
4	21	19	15	200	156	1	*1
5	21	19	15	200	159	1	*1
6	21	19	15	200	163	1	*1
8	21	19	15	200	167	1	*1
10	21	19	15	200	171	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

#### 13147M-150 · -200

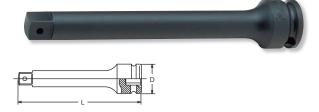
Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal



13760	D (mm)	L (mm)	₫¹∆ (g)	(pcs.)	ℴ
75	22	75	95	10	*1
100	22	100	120	10	*1
125	22	125	141	5	*1
150	22	150	165	5	*1
200	22	200	210	5	*1
250	22	250	260	5	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

13760-75 · -100 · -125 · -150 · -200 · -250 Extension Bars Alargaderas



13333AL Adaptor (Quick Release) Adaptador (Extracción Rápida)





13770 Universal Joint Articulation Universal





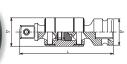
13771





13772-P





Adaptor Adaptador 13322A





13344A





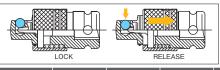
13241M Socket Set Juego de Vasos





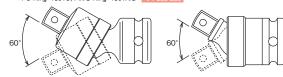


#### Lock & Quick Release



	L (mm)	₫∄ (g)	(pcs.)	᠕
13333AL	45	62	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239



	L (mm)	₫∄ (g)	(pcs.)	W
13770	56	110	10	*1
13770-B	56	110	10	*1
13770-P	56	110	10	*1
13771	48	92	10	*1
13771-B	48	92	10	*1
13771-P	48	92	10	*1

\*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	Д°Д (g)	(pcs.)	(1)
13772-P	22	19	75	120	5	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

	回 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
13322A	3/8"	1/4"	27	25	10	*1
13322A-B	3/8"	1/4"	27	25	10	*1
13322A-P	3/8"	1/4"	27	25	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(1)
13344A	3/8"	1/2"	32.5	53	10	*1
13344A-B	3/8"	1/2"	32.5	53	10	*1
13344A-P	3/8"	1/2"	32.5	53	10	*1

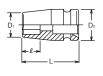
\*1 C-Ring=1302C, Pin/O-Ring=1302A/B > P238-239

13241M	11 Pieces Set/ὧ∄=850g
METAL CASE:W240×H30×T35mm	
Sockets	
13400M 6-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

13242M	11 Pieces Set/ὧ∄=1,140g
METAL CASE:W310×H90×T48mm	
Sockets	
13400M 6-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	9

### 14400M · 14400A 🔘







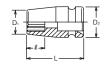
14400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

#### 14405M · 14405A



12-point Sockets Vasos Bihexagonales





14405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

# \*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14400M

14.5

15.7

18.2

19.5

20.7

23.2

24.5

25.7

28.2

29.5

30.7

33.2

34.5

35.7

38.2

39.5

40.7

43.2

44.5

45.7

48.2

49.5

55.7

14.5

15.7

18.2

19.5

20.7

23.2

24.5

25.7

28.2

29.5

30.7

33.2

34.5

38.2

39.5

44.5

49.5

55.7

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B

\*2 C-Ring=1402C, Pin/O-Ring=1402A/B

\*1

\*1

\*1

\*2

\*2

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	14401MS (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
New	14	20.5	24	10	29	50	10	*1
New	17	24.2	29	10	29	85	10	*2
New	19	26.7	29	10	29	85	10	*2
New	22	30.5	29	10	29	90	10	*2
New	24	33	29	10	29	90	10	*2
		00	20	10	20	00	10	_

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B









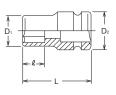


14401M • 14401A O 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada









14401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	W
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

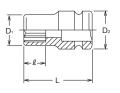
### 14406M · 14406A



12-point Sockets, Thin Walled Vasos Bihexagonales de Pared Delgada







14406A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B
\*2 C-Ring=1402C, Pin/O-Ring=1402A/B



Socket Set on Rail Juego de Vasos en Regleta





14401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Z (g)	(pcs.)	W
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

\*1 C-Ring=1401C, Pin/0 \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

O-Ring=1401A/B	→ Dogo ogo
O. Ping-1402A/B	- F 200-208

RS14401M/10	10 Pieces Set/Rail 300mm	₫¼ (g)
10, 12, 13, 14, 17	, 19, 21, 22, 24, 27	1,010

8 14.5 25 3.5 38 95 10 10 17 25 4.2 38 95 10 12 19.5 25 5.6 38 100 10 \*1 13 20.7 25 6 38 100 10 14 22 25 6.4 38 105 10 15 23.2 30 6.8 38 140 10 \*2 16 24.5 30 38 145 10 \*2 17 25.7 30 75 38 145 10 \*2 18 27 30 7.8 38 147 10 \*2 19 28.2 30 8 38 147 10 \*2 21 30.7 30 13.5 38 165 10 \*2

14401LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
6S	13	25	5.6	38	65	10	*1
88	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
145	25.5	30	10.4	38	121	10	*2

<sup>29.2</sup> \*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

30

38

128

10

11.6

14410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	Ѿ
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	₩
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

#### 14400MG (



6-point Sockets with Magnet Vasos Hexagonales con Imán

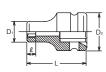




#### 14401LH ()



LHS Sockets Vasos LHS





#### 14410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





### **SURFACE DRIVE**

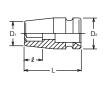
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto c<mark>urvo</mark> se diseñan para mantener <mark>el c</mark>ontacto con las caras planas de la tuerca y transmitir un alto par reduciendo el <mark>de</mark>sgaste de la tuerca. Estos vasos son ideales para ut<mark>ili</mark>zarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

#### 14465M



Pathfinder Sockets Vasos Pathfinder (Guía)





#### **PATHFINDER®**

The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately.
PATHFINDER sockets are ideal for use with power tools in

automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

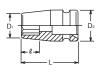
Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14415M O Double Square Sockets Vasos Octagonales



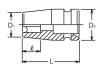


14425



TORX® Sockets Vasos TORX®



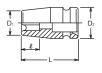


14425-EPL O TORX PLUS® Sockets Vasos TORX PLUS®



TORXBless®





14400-WN Weld Nut Sockets



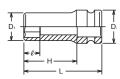














RS14301X/10 Socket Set on Rail Juego de Vasos en Regleta





14415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	ДĨД (g)	(pcs.)	W
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16	46	278	5	*1
28	47	30	16	46	285	5	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14425 (E)	D <sub>1</sub> (mm)	D₂ (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=140 \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

1A/B	→ Doon oon
OA/D	-P238-239

14425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	38	90	10	*1
20EPL	24.5	30	11.2	38	135	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1401C, Pin/O-Ring=1401A/B
\*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14400-WN	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

A/B	
r ( D	- Dage 220
	- F 230-239

	9								
1430 (m	01X m)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
	8	13	24	8	42	60	72	10	*1
1	0	15.5	24	10	42	60	79	10	*1
1	1	16.7	24	11	42	60	82	10	*1
13	2	18	24	12	42	60	88	10	*1
13	3	19.2	24	13	42	60	92	10	*1
1-	4	20.5	24	14	42	60	97	10	*1
1:	5	21.7	29	15	42	60	125	10	*2
1	6	23	29	16	42	60	135	10	*2
1	7	24.2	29	17	42	60	142	10	*2
18	8	25.5	29	18	42	60	148	10	*2
19	9	26.7	29	19	41	60	151	10	*2
2	1	29.2	29	21	41	60	170	10	*2
2	2	30.5	29	22	45	65	187	10	*2
2	3	31.7	29	23	45	65	192	10	*2
2	4	33	29	24	45	65	202	10	*2
2	6	35.5	29	26	44	65	218	10	*2
2	7	36.7	29	27	44	65	231	10	*2
w 3	0	40.5	29	30	44	65	268	10	*2
w 3:	2	43	29	32	44	65	296	10	*2
w 30	6	48	29	36	44	65	350	2	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B
\*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14301X/10	10 Pieces Set/Rail 300mm	₫∄ (g)
10, 12, 13, 14, 17, 19,	21, 22, 24, 27	1,585

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14300M	D <sub>1</sub>	D <sub>2</sub>	l (	H (2000)	L ()			(D)
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
34	47	30	33	62	85	570	2	*2
35	48.2	30	35	62	85	600	2	*2
36	49.5	30	36	61	85	635	2	*2
41	55.7	30	38	60	85	686	2	*2

14301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	(D)
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

39.2

40.5

41.7

45.5

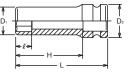
46.7

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

# 14300M • 14300A O 6-point Deep Sockets Vasos Hexagonales Largos







14300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B



\*2

\*2

\*2

\*2 \*2

\*2

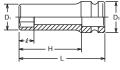
\*2

# \*thin 14301M · 14301A 🔘



6-point Deep Sockets, Thin-walled Vasos Hexagonales Largos de Pared Delgada





3/8 15.5 24 10 62 80 98 10 *1  7/16 16.7 24 11 62 80 104 10 *1  1/2 19.2 24 13 62 80 120 10 *1  9/16 20.5 24 14 62 80 127 10 *1  5/8 23 29 16 62 80 173 10 *2  11/16 24.2 29 17 62 80 182 10 *2  3/4 26.7 29 19 61 80 197 10 *2  13/16 29.2 29 21 61 80 218 10 *2  7/8 30.5 29 22 65 85 244 10 *2  15/16 33 29 24 65 85 261 10 *2	143 (inc		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)	(1)
1/2     19.2     24     13     62     80     120     10     *1       9/16     20.5     24     14     62     80     127     10     *1       5/8     23     29     16     62     80     173     10     *2       11/16     24.2     29     17     62     80     182     10     *2       3/4     26.7     29     19     61     80     197     10     *2       13/16     29.2     29     21     61     80     218     10     *2       7/8     30.5     29     22     65     85     244     10     *2	3	3/8	15.5	24	10	62	80	98	10	*1
9/16     20.5     24     14     62     80     127     10     *1       5/8     23     29     16     62     80     173     10     *2       11/16     24.2     29     17     62     80     182     10     *2       3/4     26.7     29     19     61     80     197     10     *2       13/16     29.2     29     21     61     80     218     10     *2       7/8     30.5     29     22     65     85     244     10     *2	7	7/16	16.7	24	11	62	80	104	10	*1
5/8         23         29         16         62         80         173         10         *2           11/16         24.2         29         17         62         80         182         10         *2           3/4         26.7         29         19         61         80         197         10         *2           13/16         29.2         29         21         61         80         218         10         *2           7/8         30.5         29         22         65         85         244         10         *2	1	1/2	19.2	24	13	62	80	120	10	*1
11/16     24.2     29     17     62     80     182     10     *2       3/4     26.7     29     19     61     80     197     10     *2       13/16     29.2     29     21     61     80     218     10     *2       7/8     30.5     29     22     65     85     244     10     *2	9	9/16	20.5	24	14	62	80	127	10	*1
3/4     26.7     29     19     61     80     197     10     *2       13/16     29.2     29     21     61     80     218     10     *2       7/8     30.5     29     22     65     85     244     10     *2	5	5/8	23	29	16	62	80	173	10	*2
13/16     29.2     29     21     61     80     218     10     *2       7/8     30.5     29     22     65     85     244     10     *2	11	1/16	24.2	29	17	62	80	182	10	*2
<b>7/8</b> 30.5 29 22 65 85 244 10 *2	3	3/4	26.7	29	19	61	80	197	10	*2
= =	13	3/16	29.2	29	21	61	80	218	10	*2
<b>15/16</b> 33 29 24 65 85 261 10 *2	7	7/8	30.5	29	22	65	85	244	10	*2
	15	5/16	33	29	24	65	85	261	10	*2
<b>1. 1/16</b> 36.7 29 27 64 85 314 10 *2	1. 1	1/16	36.7	29	27	64	85	314	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14305M O 12-point Deep Sockets Vasos Bihexagonales Largos



13 20.7 25 13 62 80 162 10 *1  14 22 25 14 62 80 174 10 *1  15 23.2 30 15 62 80 220 10 *2  16 24.5 30 16 62 80 232 10 *2  17 25.7 30 17 62 80 232 10 *2  18 27 30 18 62 80 232 10 *2  19 28.2 30 19 61 80 259 10 *2  20 29.5 30 20 61 80 265 10 *2  21 30.7 30 21 61 80 265 10 *2  22 32 30 22 65 85 290 10 *2  24 34.5 30 24 65 85 329 10 *2  24 34.5 30 24 65 85 329 10 *2  27 38.2 30 27 64 85 385 10 *2  28 39.5 30 30 64 85 390 10 *2  28 39.5 30 30 64 85 390 10 *2  30 42 30 30 63 85 457 10 *2  32 44.5 30 32 63 85 542 10 *2  36 49.5 30 36 61 85 635 2 *2  *1 C-Ring=1401C, Pin/O-Ring=1401A/B  *2 C-Ring=1402C, Pin/O-Ring=1402A/B  *2 C-Ring=1402C, Pin/O-Ring=1402A/B								. 0_		
15 23.2 30 15 62 80 220 10 22 16 24.5 30 16 62 80 232 10 22 17 25.7 30 17 62 80 232 10 22 18 27 30 18 62 80 232 10 22 29 29.5 30 20 61 80 259 10 22 21 30.7 30 21 61 80 265 10 22 21 30.7 30 21 61 80 265 10 22 22 32 30 22 65 85 290 10 22 24 34.5 30 24 65 85 329 10 22 27 38.2 30 27 64 85 385 10 22 28 39.5 30 30 64 85 385 10 22 28 39.5 30 30 64 85 390 10 22 30 42 30 30 63 85 457 10 22 31 32 44.5 30 32 63 85 542 10 22 33 44.5 30 32 63 85 542 10 22 34 4.5 30 36 61 85 635 2 22	25	13	20.7	25	13	62	80	162	10	*1
16 24.5 30 16 62 80 232 10 *2 17 25.7 30 17 62 80 232 10 *2 18 27 30 18 62 80 232 10 *2 19 28.2 30 19 61 80 259 10 *2 20 29.5 30 20 61 80 265 10 *2 21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 385 10 *2 30 42 30 30 63 85 457 10 *2 31 30.42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 33 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2	~	14	22	25	14	62	80	174	10	*1
17 25.7 30 17 62 80 232 10 *2 18 27 30 18 62 80 232 10 *2 19 28.2 30 19 61 80 265 10 *2 20 29.5 30 20 61 80 265 10 *2 21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 33 44.5 30 32 63 85 542 10 *2 34 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		15	23.2	30	15	62	80	220	10	*2
18 27 30 18 62 80 232 10 *2 19 28.2 30 19 61 80 259 10 *2 20 29.5 30 20 61 80 265 10 *2 21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 31 44.5 30 32 63 85 542 10 *2 31 44.5 30 32 63 85 542 10 *2 31 44.5 30 32 63 85 542 10 *2 31 44.5 30 32 63 85 542 10 *2 32 44.5 30 36 61 85 635 2 *2		16	24.5	30	16	62	80	232	10	*2
19 28.2 30 19 61 80 259 10 *2 20 29.5 30 20 61 80 265 10 *2 21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 31 32 44.5 30 32 63 85 542 10 *2 31 32 44.5 30 32 63 85 542 10 *2 31 32 44.5 30 32 63 85 542 10 *2 31 32 44.5 30 32 63 85 542 10 *2 31 32 44.5 30 36 61 85 635 2 *2		17	25.7	30	17	62	80	232	10	*2
20 29.5 30 20 61 80 265 10 *2 21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 385 10 *2 30 42 30 30 63 85 457 10 *2 31 44.5 30 32 63 85 542 10 *2 32 44.5 30 32 63 85 542 10 *2 33 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B	—   M    1	18	27	30	18	62	80	232	10	*2
21 30.7 30 21 61 80 265 10 *2 22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		19	28.2	30	19	61	80	259	10	*2
22 32 30 22 65 85 290 10 *2 24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		20	29.5	30	20	61	80	265	10	*2
24 34.5 30 24 65 85 329 10 *2 27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		21	30.7	30	21	61	80	265	10	*2
27 38.2 30 27 64 85 385 10 *2 28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		22	32	30	22	65	85	290	10	*2
28 39.5 30 30 64 85 390 10 *2 30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B	— <del>&gt;</del> i	24	34.5	30	24	65	85	329	10	*2
30 42 30 30 63 85 457 10 *2 32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		27	38.2	30	27	64	85	385	10	*2
32 44.5 30 32 63 85 542 10 *2 36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		28	39.5	30	30	64	85	390	10	*2
36 49.5 30 36 61 85 635 2 *2 *1 C-Ring=1401C, Pin/O-Ring=1401A/B		30	42	30	30	63	85	457	10	*2
*1 C-Ring=1401C, Pin/O-Ring=1401A/B		32	44.5	30	32	63	85	542	10	*2
		36	49.5	30	36	61	85	635	2	*2
						→P238-	-239			

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14.5

18.2

19.5

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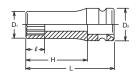
62

## 14306M









14306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
10	15.5	24	10	62	80	98	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

137

140

156

162

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80

80

80

\*1 \*1

\*1

\*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14310M





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# **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

(mm)	(mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)	(1)
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

- \*1 C-Ring=1401C, Pin/O-Ring=1401A/B
- \*2 C-Ring=1401C, Pin/O-Ring=1401A/B

D <sub>2</sub> nm)	ل (mm)	H (mm)t	L (mm)t	₫∄ (g)	(pcs.)	ⅆ
25	4.5	26	80	139	10	*1
25	6	26	80	165	10	*1
25	6.5	25	80	185	10	*1
25	7	24	80	189	10	*1
30	7.5	26.5	80	270	10	*2
30	8	26.5	80	272	10	*2
30	8.5	26.5	80	290	10	*2
30	9	27.5	80	308	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14300G (mm) 10

12

13 14 22

16

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18 27

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17

19.5 20.7

24.5

25.7

28.2

14365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	ДĨД (g)	(pcs.)	(D)
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

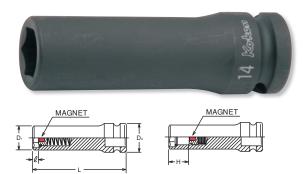
\*1 C-Ring=1401C, Pin/O-Ring=1401A/B 
\*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14440M (mm)	D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
13	20.7	6	67.5	210	10	*1
14	22	7	69.5	210	10	*1
15	23.2	7	69.5	210	10	*1
16	24.5	8	69.5	206	10	*1
17	25.7	8	69.5	220	10	*1
18	27	9	69.5	218	10	*1
19	28.2	10	73.5	260	10	*1
20	29.5	10	73.5	270	10	*1
21	30.7	11	73.5	280	10	*1
22	32	13	73.5	290	10	*1
24	34.5	14	73.5	300	10	*1

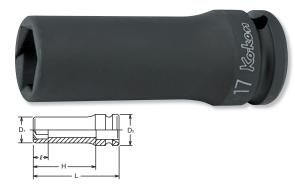
14440A (inch)	D (mm)	ل (mm)	L (mm)	Д́Д (g)	(pcs.)	W
1/2	20.7	6	67.5	210	10	*1
9/16	22	7	69.5	210	10	*1
5/8	24.5	8	69.5	206	10	*1
11/16	25.7	8	69.5	220	10	*1
3/4	28.2	10	73.5	260	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

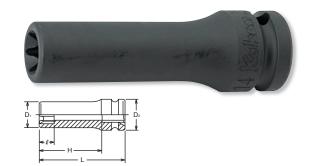
#### Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo 14300G ()



Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos 14365M



TORX® Deep Sockets Vasos TORX® Largos 14325

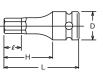




14012M-60 Inhex Sockets Vasos Inhex







RS14012M/10-L60 Socket Set on Rail Juego de Vasos en Regleta



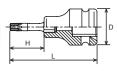


**14025-60 · -100** 



TORX® Bit Sockets Vasos con Punta TORX®





	14025.100 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
New	T30	25	73.5	100	85	10	*1
New	T40	25	73.5	100	95	10	*1
New	T45	25	73.5	100	102	10	*1
New	T50	25	73.5	100	120	10	*1
New	T55	25	73.5	100	155	10	*1
New	T60	30	73.5	100	220	10	*2



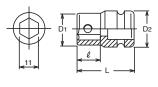
RS14025/6-L60 Socket Set on Rail Juego de Vasos en Regleta



14105 O Bit Holder Porta Punta



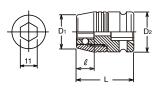




14105L O Bit Holder Porta Punta







14012M.60 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
17	30	15.5	38	60	190	10	*2
19	30	15.5	38	60	210	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14012M/10-L60	10 Pieces Set/Rail 300mm	Ø∄ (g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	1,300

14025.60 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14025/6-L60	6 Pieces Set/Rail 200mm	Д°Д (g)
T30, T40, T45,	T50, T55,T60	650



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	W
14105	22	30	13	38	126	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B >P238-239



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)	W
14105L	22	30	13	43	160	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

	107.11	L	<u> </u>	//////////////////////////////////////
	107.11 (mm)	(mm)	(g)	(pcs.)
- 1	3	35	15	10
	4	35	16	10
	5	35	16	10
	6	35	18	10
	7	35	19	10
	8	35	20	10
	10	35	26	10
	11 12	35 35	28 31	10 10
	14	35	38	10
	16	35	47	10
	17	35	50	10
	18	35	53	10
	19	35	56	10
	107.11(L80)	L	<b>\$</b> Z	<b>×</b>
	(mm)	(mm)	(g)	(pcs.)
	4	80	54	10
	5	80	54	10
	6	80	56	10
	7	80	57	10
	8	80	59	10
	10 11	80 80	64 66	10 10
	12	80	76	10
	14	80	98	10
				<b>R</b>
	107.11 (T)	L (mm)	₫Д (g)	(pcs.)
- 1	T25	35	18	10
	T30	35	18	10
	T40	35	20	10
	T45	35	22	10
	T50	35	26	10
	T55	35	31	10
	T60	35	38	10
	107.11(L80)		<u>aa</u>	
	(T)	(mm)	(g)	(pcs.)
	T30	80	54	10
	T40	80	54	10
	T45 T50	80 80	56 57	10 10
	T55	80	66	10
	T60	80	76	10
- 1	107.11		r*-7	- R
	107.11 (IP)	L (mm)	(g)	(pcs.)
New	30IP	35	18	10
New	40IP	35	20	10
New	45IP	35	22	10
New	50IP	35	26	10
New	55IP	35	30	10
New	60IP	35	40	10
	107.11(L80)		<u> </u>	
ل	(IP)	(mm)	(g)	(pcs.)
New	30IP	80	54	10
New	40IP	80	54 56	10
New New	45IP 50IP	80 80	56 57	10 10
New	55IP	80	65	10
New	60IP	80	75	10
	107.11	L	<u> </u>	<b>*</b>
	(XZN)	(mm)	(g)	(pcs.)
	M 4	35	18	10
	M 5	35	20	10
	M 6	35	22	10
	M 8	35	26	10
	M10	35	31	10
	M12	35	38	10
	107.11(L80)	L (2000)	<u> </u>	<u>**</u>
	(XZN)	(mm)	(g)	(pcs.)
	M 4	80	54	10
	M 5 M 6	80 80	54 56	10 10
	M 8	80	57	10
	M10	80	66	10
	M12	80	76	10
	M14	80	80	10

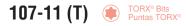


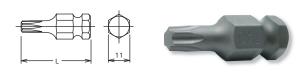






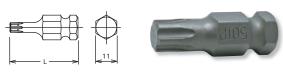
107.11 (inch)	L (mm)	₫∄ (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10







#### 107-11 (IP) TORX® PLUS Bits Puntas TORX® Plus

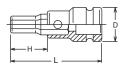




# 107-11 (XZN)







14105.11 (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	W
3	30	22	60	141	10	*1
4	30	22	60	142	10	*1
5	30	22	60	142	10	*1
6	30	22	60	144	10	*1
7	30	22	60	145	10	*1
8	30	22	60	146	10	*1
10	30	22	60	152	10	*1
11	30	22	60	154	10	*1
12	30	22	60	157	10	*1
14	30	22	60	164	10	*1
16	30	22	60	173	10	*1
17	30	22	60	176	10	*1
18	30	22	60	179	10	*1
19	30	22	60	182	10	*1

14105.11 (inch)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
1/4	30	22	60	144	10	*1
5/16	30	22	60	146	10	*1
3/8	30	22	60	152	10	*1
1/2	30	22	60	164	10	*1
3/4	30	22	60	182	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14105.11 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
T25	30	22	60	144	10	*1
T30	30	22	60	144	10	*1
T40	30	22	60	146	10	*1
T45	30	22	60	152	10	*1
T50	30	22	60	157	10	*1
T55	30	22	60	160	10	*1
T60	30	22	60	164	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14105.11 (XZN)	DL (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(I)
M 4	30	22	60	144	10	*1
M 5	30	22	60	146	10	*1
M 6	30	22	60	152	10	*1
M 8	30	22	60	157	10	*1
M10	30	22	60	160	10	*1
M12	30	22	60	164	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14105(L105) (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
4	30	67	105	180	10	*1
5	30	67	105	180	10	*1
6	30	67	105	185	10	*1
7	30	67	105	185	10	*1
8	30	67	105	185	10	*1
10	30	67	105	190	10	*1
11	30	67	105	190	10	*1
12	30	67	105	200	10	*1
14	30	67	105	230	10	*1

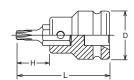
\*1 C-Ring=1402C, Pin/O-Ring=1402A/B -> P238-239

14105(L105) (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
T30	30	67	105	180	10	*1
T40	30	67	105	180	10	*1
T45	30	67	105	185	10	*1
T50	30	67	105	185	10	*1
T55	30	67	105	195	10	*1
T60	30	67	105	205	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14105-11 (T)	TORX® Bit Sockets Vasos con Punta TORX®

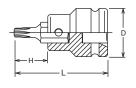


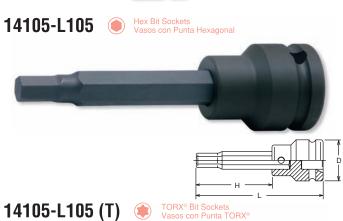


14105-11 (XZN) 

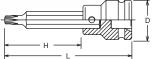
XZN Bit Sockets Vasos con Punta XZN











14106 28 30 43 160 10

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B -> P238-239



107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	₫Д (g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

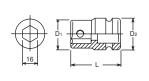
107.16 (T)	L (mm)	Д°Д (g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

	107.16 (IP)	L (mm)	₫Д (g)	(pcs.)
New	55IP	50	57	10
New	60IP	50	64	10
New	70IP	50	73	10

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

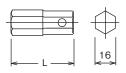
TORX\* is a registered trademark of Acument Intellectual Properties, LLC. TORX\* es una marca registrada de Acument Intellectual Properties, LLC.

14106 Bit Holder for 107-16 Porta Punta





Bits for Inhex screws Puntas para Tornillos Inhex 107-16

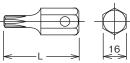




107-16 (T)



TORX® Bits Puntas TORX®





107-16 (IP)

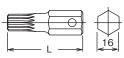


16



107-16 (XZN)

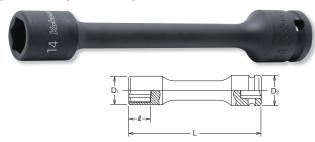






#### 14145M-100 · -150 · 200 · -250

Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos



14145M.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239

## 14146M-150 · -200 · -250

Extra Long Universal Sockets Vasos con Articulación Universal Extra-Largos

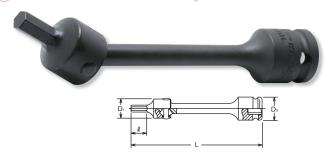


14146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pce.)	(D)
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

#### 14147M-150 · -200

Extra Long Universal Inhex Sockets Vasos Inhex con Articulación Universal Extra-Largos



	14145M.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
New	10	17	25	10	100	155	1	*1
New	12	19.5	25	12	100	165	1	*1
New	14	22	25	14	100	180	1	*1
New	17	25.7	25	17	100	210	1	*1
New	19	28.2	25	19	100	230	1	*1

14145M.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pce.)	ⅆ
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

14146M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pce.)	W
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pce.)	W
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

14147M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

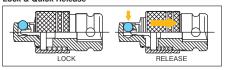
14147M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	(1)
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

₫7 (g) 

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

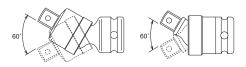
#### Lock & Quick Release



	L (mm)	₫∄ (g)	(pcs.)	W
14444AL	60	128	5	*1

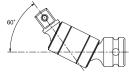
\*1 C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239





	L (mm)	⊕`∆ (g)	(pcs.)	(D)
14770	74	210	5	*1
14770-B	74	210	5	*1
14770-P	74	210	5	*1
14771	65	198	5	*1
14771-B	65	198	5	*1
14771-P	65	198	5	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B >P238-239





	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	W
14772-P	27	25	90	230	5	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B >> P238-239





14760-50 · -75 · -100 · -125 · -150 · -175 · -200 · -250 Extension Bars Alargaderas



14444AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)



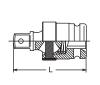




14770 Universal Joint Articulación Universal



14771 Universal Joint Articulación Universal

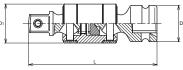




14772-P

Universal Double Joint Articulación Universal





14433A

Adaptor Adaptador







14455A





14466A

Adaptor Adaptador





14203M Set Juego



14204M Set Juego



14204T





14204X





	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pcs.)	ⅆ
14433A	1/2"	3/8"	37.5	68	10	*1
14433A-B	1/3"	3/9"	37.5	68	10	*1
14433A-P	1/4"	3/10"	37.5	68	10	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.



	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pcs.)	(1)
14455A	1/2"	5/8"	42	135	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(1)
14466A	1/2"	3/4"	44	146	10	*1
14466A-B	1/2"	3/4"	44	146	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14203M	10 Pieces Set/△△=900g
METAL CASE: W190×H59×T45mm	
Bits	Bit Holder
107.11 Hex Bits 5, 6, 8, 10	14105 Bit Holder
107.16 Hex Bits 12, 14, 17, 19	14106 Bit Holder

14204M	18 Pieces Set/ὧ∄=1,370g
METAL CASE:W310×H90×T48mm	
Bits	Bit Holder
107.11 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	14105 Bit Holder
107.11(L80) Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	168H-2.5(40) Screwdriver

14204T	14 Pieces Set/ĀĀ=1,180g
METAL CASE:W310×H90×T48mm	<u> </u>
Bits	Bit Holder
107.11(T) TORX® Bits T30, T40, T45, T50, T55, T60	14105 Bit Holder
107.11(T)(L80) TORX® Bits T30, T40, T45, T50, T55, T60	168H-2.5(40) Screwdriver

14204X	14 Pieces Set/\$\tilde{\Pi} =1,180g
METAL CASE:W310×H90×T48mm	
Bits	Bit Holder
107.11(XZN) XZN Bits M4, M5, M6, M8, M10, M12	14105 Bit Holder
107.11(L80) XZN Bits M4, M5, M6, M8, M10, M12	168H-2.5(40) Screwdriver

14207M 10 Pieces Set/ὧ ≥2,700g

METAL CASE:W310xH90xT48mm

Sockets

14300M 6-pt Deep Sockets
10, 12, 13, 14, 17, 19, 21, 22, 24, 27

14208M 13 Pieces Set/ 3-3,500g

METAL CASE: W395×H90×T50mm

Sockets

14300M 6-pt Deep Sockets
10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27

14241M 13 Pieces Set/\$\tilde{\text{Set}} = 2,000g

METAL CASE:W196xH100xT45mm

Sockets

14400M 6-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14241M-05 13 Pieces Set/\$\tilde{\text{Set}} = 2,000g

METAL CASE:W196xH100xT45mm

Sockets

14405M 12-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14242M 12 Pieces Set/\$\tilde{\

14245M-00

METAL CASE:W310xH90xT45mm

Sockets

14400M 6-pt.Sockets
10, 12, 13, 14, 16, 17,
18, 19, 21, 22, 24, 27

1401A, 1402A
1401B, 1402B

14245M-05

METAL CASE:W310×H90×T48mm

Sockets

14405M 12-pt. Sockets
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27

1401A, 1402A
1401B, 1402B

14207M O Socket Set Juego de Vasos



14208M Socket Set Juego de Vasos





14242M Socket Set Juego de Vasos



14245M-00 O Socket Set Juego de Vasos 14245M-05 O

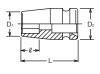


\$14240M O Display Stand Expositor



6-point Sockets Vasos Hexagonales 15400M ()





15400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)	W
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

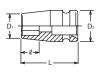
\*1 Pin/O-Ring=1500A/B > P239

#### 15400A ()



6-point Sockets Vasos Hexagonales





15400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)	(V)
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

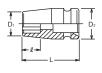
\*1 Pin/O-Ring=1500A/B >P239

#### 15410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )





# **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto c<mark>urvo</mark> se diseñan para mantener <mark>el c</mark>ontacto con las caras planas de la tuerca y transmitir un alto par reduciendo el <mark>de</mark>sgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

15410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

\*1 Pin/O-Ring=1500A/B >> P239

Impact Sockets

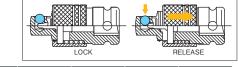
15300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=1500A/B P239

15310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=1500A/B >> P239





	L (mm)	₫Д (g)	(pce.)	$(\mathbb{D})$
15555AL	70	310	1	*1

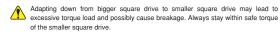
\*1 Pin/O-Ring=1500A/B P239

	L (mm)	₫∄ (g)	(pce.)	W
15770	88	420	1	*1

\*1 Pin/O-Ring=1500A/B > P239

	凹 (sq.)	凸 (sq.)	L (mm)	Ø) (g)	(pce.)	W
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

\*1 Pin/O-Ring=1500A/B > P239



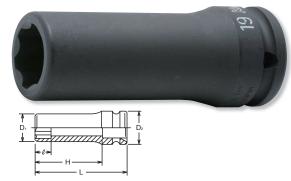
	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	W
15566A	5/8"	3/4"	48	200	1	*1

\*1 Pin/O-Ring=1500A/B > P239

#### 15300M () 6-point Deep Sockets Vasos Hexagonales Largos







Adaptor (Quick Release) Adaptador (Extracción Rápida) 15555AL













#### 15566A Adaptor Adaptador

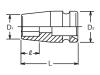




# 16400M • 16400A O 6-point Sockets Vasos Hexagonales







16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)								
11/16	30	44	12	50	355	5	*1								
3/4	32.5	44	13	50	360	5	*1								
13/16	35	44	15	50	374	5	*1								
7/8	36.3	44	15	50	373	5	*1								
15/16	38.8	44	16	50	370	5	*1								
1	40	44	16	50	374	5	*1								
1. 1/16	42.5	44	16	50	375	5	*1								
1. 1/8	45	44	18	53	412	5	*1								
1. 3/16	46.3	44	18	53	410	5	*1								
1. 1/4	48.8	44	19	53	428	5	*1								
1. 5/16	51.3	44	20	55	490	5	*1								
1. 3/8	52.5	44	20	55	494	5	*1								
1. 7/16	55	44	20	55	526	2	*1								
1. 1/2	56.3	44	20	57	558	2	*1								
1. 9/16	58.8									44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1								
1.11/16	62.5	44	23	62	720	2	*1								
1. 3/4	65 44	23	62	757	2	*1									
1.13/16	66.3	44	23	62	755	2	*1								
1. 7/8	68.8	54	23	62	940	2	*2								
1.15/16	70	54	23	62	912	2	*2								
2	72.5	54	30	62	969	2	*2								
2. 1/16	73.8	54	29	62	1011	2	*2								
2. 1/8	76.3	54	29	62	1035	2	*2								
2. 3/16	77.5	54	29	62	1056	2	*2								
2. 1/4	80	54	32	65	1126	2	*2								
2. 5/16	81.3	54	31	65	1163	2	*2								
2. 3/8	83.8	54	31	65	1215	2	*2								

### 16405M · 16405A 🔘



12-point Sockets Vasos Bihexagonales





16405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫ <u>7</u> (g)	(pcs.)	(D)
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

16400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2 *2
57	80	54	32	65 65	1126	2	
58	81.3	54 54	31 31	65 65	1163	2	*2 *2
59	82.5	-	-	65 65	1185	2	*2
60	83.8	54	31	65 65	1215		
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B 
\*2 C-Ring=1801C, Pin/O-Ring=1602A/B

16405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	W									
17	30	44	12	50	355	5	*1									
18	31.3	44	13	50	372	5	*1									
19	32.5	44	13	50	360	5	*1									
20	33.8	44	14	50	375	5	*1									
21	35	44	15	50	374	5	*1									
22	36.3	44	15	50	373	5	*1									
23	37.5	44	16	50	373	5	*1									
24	38.8	44	16	50	370	5	*1									
25	40	44	16	50	374	5	*1									
26	41.3	44	16	50	378	5	*1									
27	42.5	44	16	50	375	5	*1									
28	43.8	44	16	50	383	5	*1									
29	45	44	18	53	412	5	*1									
30	46.3	44	18	53	410	5	*1									
32	48.8	44	19	53	428	5	*1									
33	50	44	20	55	470	5	*1									
34	51.3	44	20	20	55	490	5	*1								
36	53.8	44	20	55	498	5	*1									
38	56.3 44 20	56.3 44 20 57	56.3 44	44 20	57	558	2	*1								
41	60	44	22	57	572	2	*1									
42	61.3	44	22	57	617	2	*1									
46	66.3	44	23	23			23	23	23	23	23	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2									
52	73.8	54	29	62	1011	2	*2									
55	77.5	54	29	62	1056	2	*2									
60	83.8	54	31	65	1215	2	*2									
65	90	54	30	65	1325	2	*2									

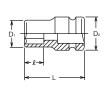
<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A/B

<sup>\*2</sup> C-Ring=1801C, Pin/O-Ring=1602A/B



# 







16401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¾ (g)	(pcs.)	(1)
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
44	61.8	43	23	62	670	2	*1
46	64.3	43	23	62	710	2	*1

16401A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	ДД (g)	(pcs.)	(D)
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
*1 C Bing 1	COOC Bin	O Bing 16	01 A /P	D000 000			

<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

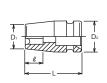
\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

16425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)	W
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239







#### **TORX®**



	Е		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
e	S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65
3																		

16425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

16425-EPL 🔘



TORX PLUS® Sockets Vasos TORX PLUS®





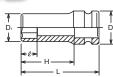




16301X O 6-point Semi-Deep Sockets, Thin Walled Vasos Hexagonales Medianos de Pared Delgada

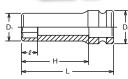












								7
16300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	_	100	1469	2	*2
55	77.5	54	59	-	100	1620	2	*2

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B 
\*2 C-Ring=1801C, Pin/O-Ring=1602A/B

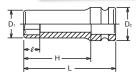
16301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	548	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B >P238-239

16300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	-	100	1516	2	*2







16301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

# 16305M



12-point Sockets, Deep Vasos Bihexagonales Largos

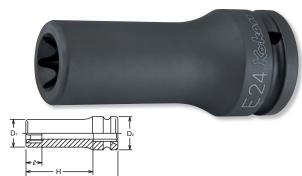


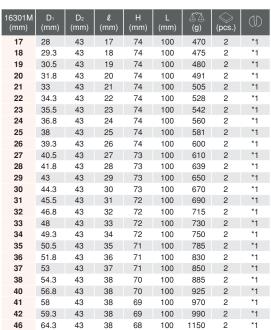
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# 16325 ()



TORX® Deep Sockets Vasos TORX® Largos





*1 C-Ring=1600C, Pin/O-Ring=1601A/B	→P238-239

	16305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
New	14	26.3	44	14	74	100	500	2	*1
	17	30	44	17	74	100	544	2	*1
	19	32.5	44	19	74	100	655	2	*1
	21	35	44	21	74	100	700	2	*1
	22	36.3	44	22	74	100	700	2	*1
	23	37.5	44	23	74	100	720	2	*1
	24	38.8	44	24	74	100	715	2	*1
	26	41.3	44	26	74	100	760	2	*1
	27	42.5	44	27	73	100	765	2	*1
	28	43.8	44	28	73	100	800	2	*1
	29	45	44	29	73	100	835	2	*1
	30	46.3	44	30	73	100	840	2	*1
	32	48.8	44	32	72	100	875	2	*1
	35	52.5	44	35	71	100	980	2	*1
	36	53.8	44	36	71	100	960	2	*1
	38	56.3	44	38	70	100	990	2	*1
	41	60	44	38	69	100	1120	2	*1
	46	66.3	44	38	68	100	1305	2	*1

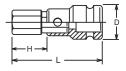
\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

16325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

16106-16 Hex Bit Sockets Vasos con Punta Hexagonal





16106 O Bit Holder, For 107-16 Porta Punta



107-16 Bits for Inhex Screws Puntas para Tormillos Inhex



107-16 (T) TORX® Bits Puntas TORX®



107-16 (IP) TORX® PLUS Bits Puntas TORX® Plus



107-16 (XZN) 

XZN Bits Puntas XZN



16106.16 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	24	76	430	2	*1
16	44	24	76	439	2	*1
17	44	24	76	443	2	*1
18	44	24	76	448	2	*1
19	44	24	76	450	2	*1
22	44	24	76	473	2	*1

16106.16 (inch)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B >P238-239

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	W
16106	32	44	16	52	370	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239



107.16 (mm)	L (mm)	₫∄ (g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	₫ <u>⊅</u> (g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16 (T)	L (mm)	₫∄ (g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

	107.16 (IP)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
New	55IP	50	57	10
New	60IP	50	64	10
New	70IP	50	73	10

107.16 (XZN)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

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IORX\*\* is a registered trademark of Acument Intellectual Properties, LLC.
IORX\*\* es una marca registrada de Acument Intellectual Properties, LLC.















107.22 (mm)	L (mm)	Д°Д (g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239 Replacement Screw : M8x14, 

4mm

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B

530 2 \*1

\*1

\*1

\*1

	107.22 (inch)	L (mm)	₫Д (g)	(pcs.)
New	5/8	50	120	10
New	3/4	50	140	10
New	7/8	50	162	10
New	1	50	190	10
New	1. 1/4	55	243	10

107.22 (T)	L (mm)	(g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

TORX® Bits Puntas TORX® 107-22 (T)



16760-150 · -175 · -200 · -250 · -330 Extension Bars Alargaderas



16760	D (mm)	L (mm)	₫Д (g)	(pce.)	W
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239



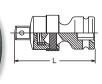
Adaptor (Quick Release) Adaptador (Extracción Rápida) 16666AL





#### Universal Joint Articulación Universal 16770





Universal Joint Articulación Universal 16771





16644A · 16655A

Adaptors Adaptadores







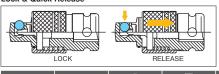


Adaptor Adaptador 16688A



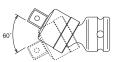


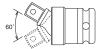
#### Lock & Quick Release



	L (mm)	₫Д (g)	(pcs.)	(1)
16666AL	75	660	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239





	L (mm)	Д¯Д (g)	(pce.)	W
16770	106	790	1	*1
16771	95	720	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239



	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(1)
16644A	3/4"	1/2"	54	310	5	*1
16644A-B	3/4"	1/2"	54	310	5	*1
16644A-P	3/4"	1/2"	54	310	5	*1
	四 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
16655A	3/4"	5/8"	55.5	336	5	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

Adapting down to a smaller square drive may lead to excessive torque load and Adapting down to a smaller square unity in the smaller square drive.

possibly cause breakage. Always stay within limit torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pce.)	(1)
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

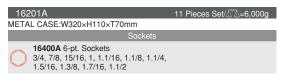
16688A-250 · -330

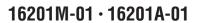


### **16201M • 16201A** O Socket Sets Juegos de Vasos



16201M	13 Pieces Set/\$\tilde{\bar{A}} = 6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	











16201M-01	13 Pieces Set/\$\tilde{\bar{a}} = 6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/ὧ∄=5,400g
METAL CASE:W320×H110×T70mm	
Sockets	
16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M





16245M	17 Pieces Set/ὧ∄=12,000g
METAL CASE:W580×H200×T85r	mm
Sockets	Accessories
16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	16760-175 16760-330

18400M • 18400A O 6-point Sockets Vasos Hexagonales



18400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48 50	71.5 74	54 54	35 35	70 70	990 1065	2	*1 *1
50 52	76.5	54	40	75	1185	2	*1
54	76.5	54	40			2	*1
55	80.3	54	39	75 75	1252 1260	2	*1
56	81.5	54	39	75	1277	2	*1
58	84	54	39	75	1340	2	*1
60	86.5	54	39	75	1400	2	*1
62	89	54	38	75	1410	2	*1
63	90.3	54	38	75	1383	2	*1
65	92.8	54	38	75	1630	2	*1
67	95.3	54	38	75	1580	2	*1
68	96.5	54	37	75	1583	1	*1
70	99	54	37	75	1625	1	*1
75	105.3	86	37	80	2675	1	*2
80	111.5	86	41	85	2996	1	*2
85	117.8	86	37	90	3378	1	*2
90	124	86	40	95	3871	1	*2
95	130.3	86	43	100	4500	1	*2
100	136.5	86	47	105	5000	1	*2

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B 
\*2 C-Ring=1802C, Pin/O-Ring=1802A/B

18400A (inch)	D₁ (mm)	D₂ (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	54	35	70	990	2	*1
1.15/16	72.8	54	35	70	1000	2	*1
2	75.3	54	35	70	1060	2	*1
2. 1/16	76.5	54	40	75	1185	2	*1
2. 1/8	79	54	40	75	1252	2	*1
2. 3/16	80.3	54	39	75	1260	2	*1
2. 1/4	82.8	54	39	75	1337	2	*1
2. 5/16	84	54	39	75	1340	2	*1
2. 3/8	86.5	54	39	75	1400	2	*1
2. 7/16	89	54	38	75	1410	2	*1
2. 1/2	91.5	54 54	38	75 75	1498	2	*1 *1
2. 9/16	92.8	54	38	75 75	1630	2	*1
<ol> <li>5/8</li> <li>11/16</li> </ol>	95.3	54	38 37	75 75	1580	1	*1
2.11/16	96.5 99	54	37	75 75	1583 1625	1	*1
2.13/16	101.5	86	37	80	2705	1	*2
2. 7/8	101.3	86	38	80	2629	1	*2
2.15/16	105.3	86	37	80	2675	1	*2
3	105.5	86	37	80	2705	1	*2
3. 1/16	100.5	86	42	85	2967	1	*2
3. 1/10	111.5	86	41	85	2996	1	*2
3. 1/4	115.3	86	44	90	3328	1	*2
3. 3/8	119	86	36	90	3389	1	*2
3. 1/2	124	86	40	95	3871	1	*2

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B 
\*2 C-Ring=1802C, Pin/O-Ring=1802A/B

### 18401M • 18401A O 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada





18401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
50	71	53	35	70	940	2	*1

18401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B >P238-239

	18405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
	27	45.3	54	16	57	607	2	*1
	30	49	54	21	62	657	2	*1
	32	51.5	54	21	62	685	2	*1
	33	52.8	54	21	62	690	2	*1
	35	55.3	54	21	62	690	2	*1
	36	56.5	54	21	62	692	2	*1
	38	59	54	25	66	700	2	*1
	40	61.5	54	25	66	830	2	*1
New	41	62.8	54	25	66	905	2	*1
	46	69	54	29	70	990	2	*1
	50	74	54	35	70	1021	2	*1
	55	80.3	54	39	75	1234	2	*1
	56	81.5	54	39	75	1250	2	*1
	60	86.5	54	39	75	1400	2	*1
	65	92.8	54	38	75	1600	2	*1

18405A (inch)	D <sub>1</sub> (mm)	D₂ (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	54	35	70	1000	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B >P238-239

### 18405M·18405A 🔘







18301X 6-point Semi-Deep Sockets, Thin Walled Vasos Hexagonales Medianos de Pared Delgada





18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	53	55	-	85	1220	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

18300M · 18300A



6-point Sockets, Deep Vasos Hexagonales Largos



18300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
19	35.3	54	19	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	26	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	54	67	-	108	1500	2	*1
50	74	54	66	-	108	1650	2	*1
52	76.5	54	65	-	108	1770	2	*1
55	80.3	54	63	_	108	1855	2	*1
60	86.5	54	60	-	108	2047	2	*1
65	92.8	54	58	-	108	2310	2	*1
70	99	54	55	-	108	2440	1	*1
75	105.3	86	52	_	108	3646	1	*2
80	111.5	86	49	-	108	4039	1	*2
85	117.8	86	59	_	108	4000	1	*2
90	124	86	57	-	108	4200	1	*2
95	130.3	86	55	_	108	4400	1	*2

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B \*2 C-Ring=1802C, Pin/O-Ring=1802A/B

18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	54	67	_	108	1500	2	*1
1.15/16	72.8	54	67	-	108	1570	2	*1
2	75.3	54	66	_	108	1605	2	*1
2. 1/16	76.5	54	65	_	108	1770	2	*1
2. 1/8	79	54	64	-	108	1812	2	*1
2. 3/16	80.3	54	63	-	108	1855	2	*1
2. 1/4	82.8	54	62	_	108	1916	2	*1
2. 5/16	84	54	61	-	108	1987	2	*1
2. 3/8	86.5	54	60	-	108	2047	2	*1
2. 7/16	89	54	59	_	108	2041	2	*1
2. 1/2	91.5	54	58	-	108	2250	2	*1
2. 9/16	92.8	54	58	-	108	2310	2	*1
2. 5/8	95.3	54	56	-	108	2370	1	*1
2. 3/4	99	54	55	-	108	2440	1	*1
2. 7/8	102.8	86	53	-	108	3600	1	*2
2.15/16	105.3	86	52	_	108	3646	1	*2
3	106.5	86	51	-	108	3677	1	*2
3. 1/16	109	86	50	_	108	3939	1	*2
3. 1/8	111.5	86	49	-	108	4039	1	*2
3. 3/16	112.8	86	48	-	108	4170	1	*2

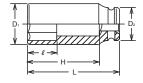
\*1 C-Ring=1801C, Pin/O-Ring=1801A/B 
\*2 C-Ring=1802C, Pin/O-Ring=1802A/B

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### 18301M • 18301A O 6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Parad De Igada







	18301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
	17	29.8	53	17	77	108	692	2	*1
	18	31	53	18	77	108	710	2	*1
	19	32.3	53	19	77	108	725	2	*1
	20	33.5	53	20	77	108	740	2	*1
	21	34.8	53	21	77	108	750	2	*1
	22	36	53	22	77	108	770	2	*1
New	23	37.3	53	23	77	108	780	2	*1
	24	38.5	53	24	77	108	800	2	*1
New	26	41	53	26	77	108	830	2	*1
	27	42.3	53	27	77	108	860	2	*1
New	29	44.8	53	29	77	108	880	2	*1
	30	46	53	30	77	108	910	2	*1
	32	48.5	53	32	77	108	970	2	*1
	33	49.8	53	33	77	108	980	2	*1
	34	51	53	34	77	108	980	2	*1
	35	52.3	53	35	77	108	986	2	*1
	36	53.5	53	36	76	108	992	2	*1
	38	56	53	38	76	108	1025	2	*1
New	39	57.3	53	38	76	108	1130	2	*1
	41	59.8	53	38	75	108	1213	2	*1
New	43	62.3	53	38	74	108	1400	2	*1
	46	66	53	38	74	108	1400	2	*1
	50	71	53	38	-	108	1435	2	*1

18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.13/16	66	53	38	74	108	1400	2	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

18104M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

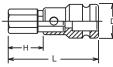
\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239



18106-16 Hex Bit Sockets Vasos con Punta Hexagonal







18106.16 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

18106.16 (inch)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239



\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

Replacement Screw : M6x10, 

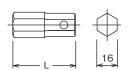
3mm

18106 O Bit Holder Porta Punta









107.16 (mm)	L (mm)	(g) (D)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	₫∄ (g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16 (T)	L (mm)	₫Д (g)	(pcs.)
T55	50	57	10
T60	50	64	10

107.16 (T)	L (mm)	ДД (g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

	107.16 (IP)	L (mm)	₫Д (g)	(pcs.)
New	55IP	50	57	10
New	60IP	50	64	10
New	70IP	50	73	10

	(IP)	(mm)	(g)	(pcs.)
New	55IP	50	57	10
New	60IP	50	64	10
New	70IP	50	73	10

107.16 (XZN)	L (mm)	₫₫ (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16 (T)



TORX® Bits Puntas TORX®







107-16 (IP)







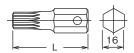


107-16 (XZN)



XZN Bits Puntas XZN



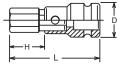


18107.22 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

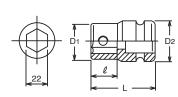
\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

### 











	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	(mm)	(mm)	(g)	(pcs.)	(V)
18107	44	54	22	70	770	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239



107.22 (mm)	L (mm)	₫Д (g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	
27	50	200	10	
30	50	227	10	
32	55	243	10	

	107.22 (inch)	L (mm)	ДД (g)	(pcs.)
New	5/8	50	120	10
New	3/4	50	140	10
New	7/8	50	162	10
New	1	50	190	10
New	1. 1/4	55	243	10

107.22 (T)	L (mm)	₫Д (g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

### 107-22 Bits for Inhex Screws Puntas para Tornillos Inhex









18760-175 · -200 · -250 · -330 Extension Bars Alargaderas





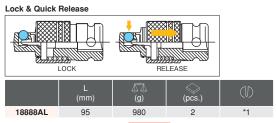
18760	D (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

Adaptor (Quick Release) Adaptador (Extracción Rápida) 18888AL



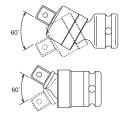




\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

Universal Joint Articulación Universal 18770





	L (mm)	₫∄ (g)	(pce.)	W
18770	127	1210	1	*1
18771	115	1210	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239





18866A Adaptors No Warranty Adaptadores Sin Garantia 18866A-200

\*1 \*1 3/4" 18866A 66.5 580 18866A-200 3/4" 200 1100

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B P23

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.





	凹 (sq.)	凸 (sq.)	L (mm)	₫¼ (g)	(pce.)	(1)
18877A	1"	1.1/2"	80	935	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

18877A

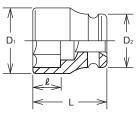






17400M • 17400A O 6-point Sockets Vasos Hexagonales





17400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

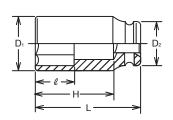
17400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2 *2
4. 7/8	173	127	67	136	13000	1	*2
5 5. 1/4	180	127	69 73	140 145	14200 14940	1	*2
	186	127				1	*2
6 1/2	205 205	127 127	88 94	165 175	16500	1	*2
6. 1/2	205	127	94	1/5	17500	1	2

<sup>\*1</sup> C-Ring=1700C, Pin/O-Ring=1701A/B
\*2 Pin/O-Ring=1702A/B

### \*1 \*1 \*1

17405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	ДД (g)	(pce.)	W
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1

<sup>\*1</sup> C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239

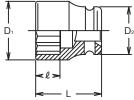


17300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

<sup>\*1</sup> C-Ring=1700C, Pin/O-Ring=1701A/B
\*2 Pin/O-Ring=1702A/B







17300M · 17300A



6-point Deep Sockets Vasos Hexagonales Largos



17300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	(I)
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

<sup>\*1</sup> C-Ring=1700C, Pin/O-Ring=1701A/B

\*2 Pin/O-Ring=1702A/B



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д°Д (g)	(pce.)	(D)
17108	60	86	30	85	2200	1	*1

\*1 C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239

Replacement Screw : M8x14, 

4mm

107-32 Bit for Inhex Screws Puntas para Tornillos Inhex

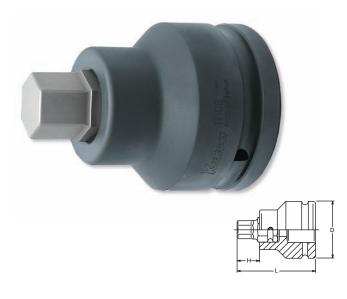




19	60	300
22	60	320
24	60	330
27	60	360
30	60	390
32	60	410
36	60	460

107.32 (mm)

17108-32 Hex Bit Sockets Vasos con Punta Hexagonal



17108-32 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1

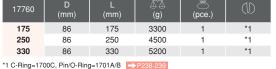
\*1 C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239



1-1/2"

17760-175 · -250 · -330

17760	D (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1





200 \*1 C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239





\*1 C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
17799A	1.1/2"	2.1/2"	115	3790	1	*1

\*1 C-Ring=1700C, Pin/O-Ring=1701A/B > P238-239

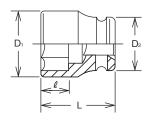




17799A

Adaptors Adaptadores





19400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pce.)	(I)
2. 3/8	100	127	45	125	7870	1	*1
2. 7/16	102	127	46	125	7840	1	*1
2. 1/2	103	127	47	125	7810	1	*1
2. 9/16	105	127	48	125	7790	1	*1
2. 5/8	107	127	49	125	7790	1	*1
2.11/16	108	127	50	125	7790	1	*1
2. 3/4	110	127	51	125	7640	1	*1
2.13/16	113	127	52	125	7690	1	*1
2. 7/8	115	127	53	125	7730	1	*1
2.15/16	118	127	54	125	7740	1	*1
3	120	127	55	125	7740	1	*1
3. 1/8	124	127	57	125	7640	1	*1
3. 1/4	125	127	59	125	7740	1	*1
3. 3/8	127	127	61	132	7840	1	*1
3. 1/2	135	127	64	132	8500	1	*1
3. 5/8	138	127	64	132	9330	1	*1
3. 3/4	140	127	71	140	10160	1	*1
3. 7/8	143	127	70	140	10830	1	*1
4	146	127	71	142	11500	1	*1
4. 1/8	155	127	70	142	11250	1	*1
4. 1/4	160	127	76	155	12710	1	*1
4. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

<sup>\*1</sup> Pin/O-Ring=1901A/B

<sup>\*2</sup> Pin/O-Ring=1902A/B

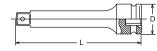
### 2-1/2" Impact Sockets

19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	(1)
75	118	127	42	129	190	11930	1	*1
80	124	127	46	129	190	12280	1	*1
85	127	127	49	134	195	12480	1	*1
90	135	127	52	144	205	14000	1	*1
95	140	127	55	149	210	14630	1	*1
100	146	127	58	154	215	15520	1	*1
105	155	127	62	146.5	220	18250	1	*1
110	160	127	65	150.5	225	18740	1	*1
115	167	127	68	153.5	230	20940	1	*1
120	175	175	72	157.5	235	23530	1	*2
125	180	175	74	158.5	238	26110	1	*2
130	185	175	76	163.5	243	25320	1	*2
135	190	175	80	165.5	248	26290	1	*2
140	200	175	82	164.5	248	28940	1	*2
145	205	175	84	163.5	248	29520	1	*2
150	210	175	88	168.5	255	30600	1	*2
155	215	175	92	167.5	255	31680	1	*2
160	225	175	95	170.5	260	35560	1	*2
165	230	175	98	169.5	260	36040	1	*2
170	235	175	100	172.5	265	37230	1	*2
175	240	175	102	176.5	270	39420	1	*2

<sup>\*1</sup> Pin/O-Ring=1901A/B \*2 Pin/O-Ring=1902A/B

19760	D (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
250	127	250	17800	1	*1
500	127	500	27800	1	*1

\*1 Pin/O-Ring=1901A/B >P239



	L (mm)	₫∄ (g)	(pce.)	Ѿ
19770	303	21360	1	*1

\*1 Pin/O-Ring=1901A/B P239



	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	(D)
19977A	2.1/2"	1.1/2"	145	7210	1	*1

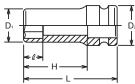
\*1 Pin/O-Ring=1901A/B >P239

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



### 19300M () 6-point Deep Sockets Vasos Hexagonales Largos





Extension Bars Alargaderas 19760-250 · -500



Universal Joint Articulación Universal 19770



19977A

Adaptor Adaptador

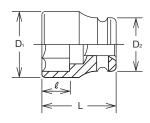
No Warranty Sin Garantía



10400M • 10400A O 6-point Sockets Vasos Hexagonales







10400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pce.)	W
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	ДД (g)	(pce.)	(V)
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2 *2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123 124	236	48400	1	*2
7.3/8 7.1/2	269 275	200	125	238 240	52500 55350	1	*2
7.1/2	278	200	127	242	56050	1	*2
7.3/4	282	200	129	242	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

\*1 Pin/O-Ring=2001A/B \*2 Pin/O-Ring=2002A/B

10099A	Adaptor Adaptador	No Warranty Sin Garantía	<u>^</u>	

	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
10099A	3.1/2"	2.1/2"	182	16870	1	*1

\*1 Pin/O-Ring=2001A/B > P239



Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

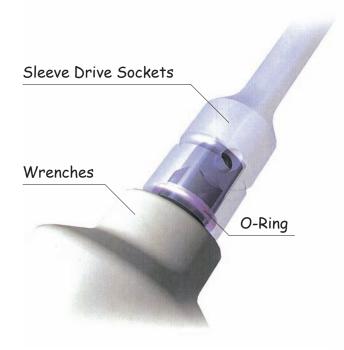
## Sleeve Drive Sockets

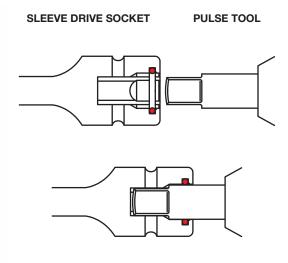




The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con casquillo conductor evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del casquillo conductor optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.

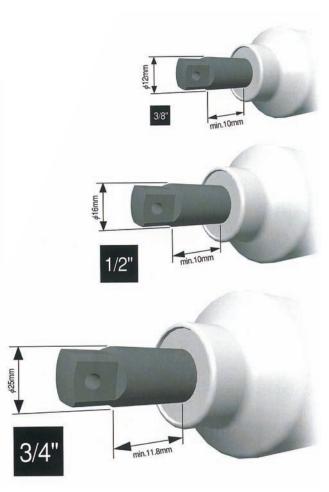




The "Sleeve Drive" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



NV13400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B

\*2 C-Ring=1302C, Pin/O-Ring=1302A/B

NV13400 O	6-point Sockets Vasos Hexagonales

NV13145-100 · -150 · -200





NV13145.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

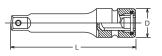
NV13145.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
6	13	19	6	150	163	10	*1
8	13	19	8	150	158	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV13145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
6	13	19	6	200	209	10	*1
8	13	19	8	200	203	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

### NV13760-75P · -125P · -150P · -250P

Extension Bars Alargaderas

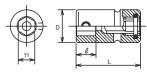


NV13760	D (mm)	L (mm)	Д¯Д (g)		(D)
75P	19	75	95	10	*1
125P	19	125	125	10	*1
150P	19	150	150	10	*1
250P	19	250	255	10	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239

NV13105 🔘 Bit Holder Porta Punta



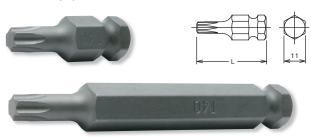


Bits for Inhex Screws Puntas para Tornillos de Seis Lados en el Interior (Inhex) 107-11



107-11 (inch)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

TORX® Bits Puntas TORX® 107-11 (T) (\*\*)



Bits XZN Puntas XZN 107-11 (XZN)



NV13105	D (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)	ⅆ
	22	13	43	90	5	*1

\*1 C-Ring=1301C, Pin/O-Ring=1301A/B > P238-239



107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	₫Д (g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107-11 (T)	L (mm)	₫ <u>¯</u> (g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	31	10	
T60	35	38	10	
107-11(L80)	L	$\mathbb{Z}\mathbb{Z}$	<b>*</b>	
(T)	(mm)	(g)	(pcs.)	
	` ′	(9)	(pos.)	
T30	80	54	10	
T30 T40				
	80	54	10	
T40	80 80	54 54	10 10	
T40 T45	80 80 80	54 54 56	10 10 10	

107-11 (XZN)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10
107-11(L80)	L	₫ <b>Ъ</b>	. <b></b>

107-11(L80) (XZN)	L (mm)	₫Д (g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

1/2"

NV14400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→P238-239

NV14145.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
10	15.5	25	10	100	161	10	*1
12	18	25	12	100	178	10	*1
13	19	25	13	100	175	10	*1
14	21	25	14	100	181	10	*1
15	22	25	15	100	185	10	*1
16	24	25	15	100	193	10	*1
17	25	25	15	100	201	10	*1
18	26	25	15	100	211	10	*1
19	28	25	15	100	221	10	*1

NV14145.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)	W
10	15.5	25	10	150	200	10	*1
12	18	25	12	150	215	10	*1
13	19	25	13	150	220	10	*1
14	21	25	14	150	225	10	*1
15	22	25	15	150	230	10	*1
16	24	25	15	150	240	10	*1
17	25	25	15	150	250	10	*1
18	26	25	15	150	262	10	*1
19	28	25	15	150	275	10	*1

NV14760	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)	(1)
75P	25	75	149	10	*1
125P	25	125	230	10	*1
175P	25	175	308	10	*1
250P	25	250	422	10	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239

NV14433A	<u>呵</u> (mm)	凸 (mm)	L (mm)	₫Д (g)	(pce.)	W
75P	1/2"	3/8"	75	120	1	*1
100P	1/2"	3/8"	100	145	1	*1
150P	1/2"	3/8"	150	187	1	*1

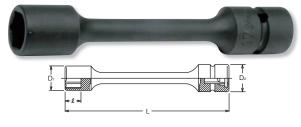
\*1 C-Ring=1401C, Pin/O-Ring=1401A/B >P238-239

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



### NV14145-100 · -150 · -200





NV14145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)	ⅆ
10	15.5	25	10	200	236	10	*1
12	18	25	12	200	250	10	*1
13	19	25	13	200	260	10	*1
14	21	25	14	200	270	10	*1
15	22	25	15	200	275	10	*1
16	24	25	15	200	287	10	*1
17	25	25	15	200	300	10	*1
18	26	25	15	200	310	10	*1
19	28	25	15	200	320	10	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B >P238-239

### NV14760-75P · -125P · -175P · -250P

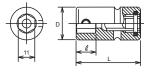
Extension Bars Alargaderas



### NV14433A-75P · -100P · -150P

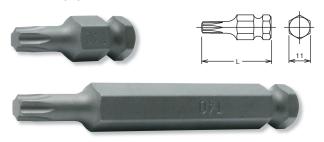




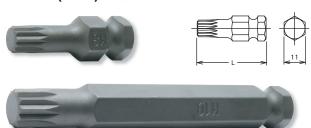




107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

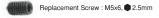


107-11 (XZN) Bits XZN Puntas XZN



NV14105	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
	22	13	43	115	5	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B > P238-239



107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107-11 (T)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10
107-11(L80)	L	<u> </u>	$\mathbb{R}$
(T)	(mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN)	L (mm)	Ø∄ (g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10
		_	

107-11(L80) (XZN)	L (mm)	₫Д (g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

Sleeve Drive Sockets

NV16400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239



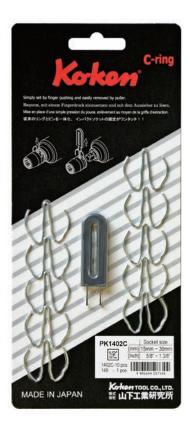
NV16760-175 · -250 · -330



NV16760	D (mm)	L (mm)	₫Д (g)	(pce.)	W
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

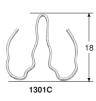
\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

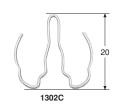


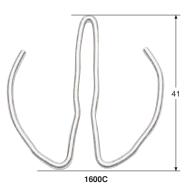


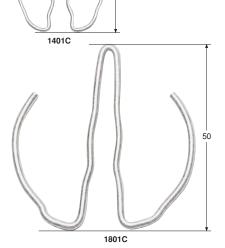
### **C-Ring**

No.	•9			
	No.	Ø		(pcs.)
1302C 3/8" >12 100	1301C	3/8"	≦12	100
	1302C	3/8"	>12	100
<b>1401C</b>	1401C	1/2"	≦14	100
<b>1402C</b> 1/2" >14 100	1402C	1/2"	>14	100
<b>1600C</b> 3/4" ≤46 100	1600C	3/4"	≦46	100
<b>1801C</b> 1" ≦70 100	1801C	1"	≦70	100
<b>1802C</b> 1" >70 50	1802C	1"	>70	50
<b>1700C</b> 1-1/2" ≤90 50	1700C	1-1/2"	≦90	50









# C-Rina Set

Set No.	Ø	C-Ring 10pcs.	Puller 1pce.
PK1301C	3/8"	1301C	+ 149
PK1302C	3/8"	1302C	+ 149
PK1401C	1/2"	1401C	+ 149
PK1402C	1/2"	1402C	+ 149
PK1600C	3/4"	1600C	+ 152
PK1801C	1"	1801C	+ 152

### **Puller**

No.	$\square$	(pcs.)
149	3/8" 1/2"	10
152	3/4" 1"	10







### Pin

No.	Ø	Opening (mm)	D₁ (mm)	ل (mm)	(pcs.)
1200A	1/4"		1.5	10.2	100
1301A	3/8"	≦ 12	2.5	14.5	100
1302A	3/8"	> 12	2.5	17.5	100
1401A	1/2"	≦ 14	3.5	20	100
1402A	1/2"	> 14	3.5	25	100
1500A	5/8"		4	29	100
1601A	3/4"	≦ 46	5.5	35	100
1602A	3/4"	> 46	5.5	45	100
1801A	1"	≦ 70	6	45	100
1802A	1"	> 70	6	75	50
1701A	1-1/2"	≦ 90	7	75	50
1702A	1-1/2"	> 90	7	110	50
1901A	2-1/2"	≦115	9	110	50
1902A	2-1/2"	>115	9	155	50
2001A	3-1/2"	≦140	13	155	1
2002A	3-1/2"	>140	13	180	1





### 0-Ring

No.		Opening (mm)	D <sub>2</sub> (mm)	D₃ (mm)	(pcs.)
1200B	1/4"		2.5	9	100
1301B	3/8"	≦ 12	3.5	13	100
1302B	3/8"	> 12	3.5	16	100
1401B	1/2"	≦ 14	4	19	100
1402B	1/2"	> 14	4	24	100
1500B	5/8"		5	28	100
1601B	3/4"	≦ 46	5	36	100
1602B	3/4"	> 46	5	45	100
1801B	1"	≦ 70	7	45	100
1802B	1"	> 70	7	75	50
1701B	1-1/2"	≦ 90	10	75	50
1702B	1-1/2"	> 90	10	114	50
1901B	2-1/2"	≦115	10.5	114	50
1902B	2-1/2"	>115	10.5	158	50
2001B	3-1/2"	≦140	15	158	1
2002B	3-1/2"	>140	15	183	1

IMPACT Standard	Sq.Dr.	1/4"	3/	/8"	1/	2"	3.	/4"		"	1-1	1/2"
Sockets	C-Ring		1301C	1302C	1401C	1402C	1600C	1801C	1801C	1802C	1700C	
size	0-Ring/Pin	1200A/B	1301A/B	1302A/B	1401A/B	1402A/B	1601A/B	1602A/B	1801A/B	1802A/B	1701A/B	1702A/B
4.5	3/16	•										
5	3/10	•										
5.5	4/4	•	•									
7	1/4 9/32	•										
8	5/16	•	•		•							
9	11/32 3/8	•	•		•							
11	7/16	•	•		•							
12 13	1/2	•	•	•	•							
14	9/16			•	•							
15	F /0			•		•						
16 17	5/8 11/16			•		•	•		•			
18				•		•	•		•			
19 20	3/4			•		•	•		•			
21	13/16			•		•	•		•			
22	7/8			•		•	•		•			
23 24	15/16			•		•	•		•			
25	1					•	•		•			
26 27	1- 1/16					•	•		•			
28						•	•		•			
29 30	1- 1/8 1- 3/16					•	•		•			
30	1- 3/16					•	•		•			
32	1- 1/4					•	•		•			
33 34	1- 5/16 1- 3/8					•	•		•			
36						•			•		•	
37	1- 7/16					•	•		•		•	
38 39	1- 1/2					•	•		•		•	
40	1- 9/16					•	•		•		•	
41 42	1- 5/8					•	•		•		•	
43	1- 11/16						•		•		•	
44 45	1- 3/4						•		•		•	
46	1- 3/4											
47								•	•		•	
48	1- 7/8 1- 15/16							•	•		•	
50								•	•		•	
52	2 2- 1/16							•	•		•	
54	2- 1/8							•	•		•	
55	2- 3/16							•	•		•	
56	2- 1/4								•		•	
58	2- 5/16							•	•		•	
60 62	2- 3/8 2- 7/16							•	•		•	
63								•	•		•	
65	2- 1/2 2- 9/16							•	•		•	
67	2- 5/8							•	•		•	
68 70	2- 11/16 2- 3/4							•	•		•	
70	2- 13/16							•	•	•	•	
70	2- 7/8									•	•	
75	2- 15/16 3									•	•	
	3- 1/16									•	•	
80	3- 1/8 3- 1/4									•	•	
85										•	•	
90	3- 3/8 3- 1/2									•	•	
90	3- 1/2									•	•	
95	3- 3/4									•		•
100 105	3- 7/8 4									•		•
	4- 1/8											•
110	4- 1/4 4- 1/2											•
115 120	4- 1/2											•
	4- 3/4											•
125 130	4- 7/8 5											•
135	5- 1/4											•
140 150												•
100	6											•
	6- 1/2											•

1/4"

## **Industrial Sockets**

3/8"

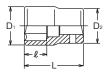
1/2"



22400M 🔾





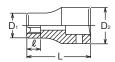


22400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425







22425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

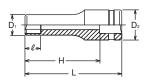
TORX® (E)

	E22 E24 E26	E28
S (ref. mm) 3.83 4.72 5.69 6.17 7.47 9.37 10.03 11.12 12.85 14.71 16.64 18.41 2	20.24 22.10 23.85	25.65

### 22300M · 22300A

6-point Sockets, Deep Vasos Hexagonales, largos





22300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
7	10.5	11.2	8	40	50	24	10
8	11.8	11.2	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10
22300A	D <sub>1</sub>	D <sub>2</sub>	l (	Η ()	L (77.77)	<b>\$\alpha</b>	$\Diamond$



(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
1/4	9.8	11.2	7	40	50	24	10
5/16	11.8	11.2	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10

INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.

23400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

23400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

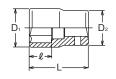
23405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10

23410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

23425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18.1	17	11.8	26	27	10

### 23400M · 23400A O 6-point Sockets Vasos Hexagonales



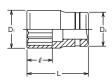




### 23405M



12-point Sockets Vasos Bihexagonales

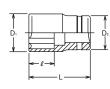




### 23410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )

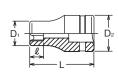




### 23425



TORX® Sockets Vasos TORX®





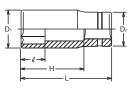


	Ť	E		E4						E11									
	,	S E	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65
7	l°																		

23300M • 23300A O 6-point Sockets, Deep Vasos Hexagonales, largos







23300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

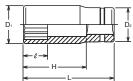
23300A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M ()



12-point Deep Sockets Vasos Bihexagonales Largos





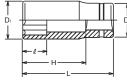
23305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	Д"Д (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

23310M



Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos





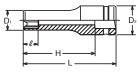
23310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325



TORX® Deep Sockets Vasos TORX®, largos

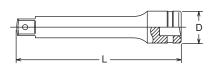




23325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

**23760-75P · -125P · -250P** Extension Bars Alargaderas





23760	D (mm)	L (mm)	(g) (\overline{A}^{\overline{A}}	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5

# 24400M • 24400A O 6-point Sockets Vasos Hexagonales $\dot{D}_2$

24400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5

24400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

20.5

42.8

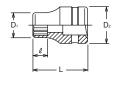
24405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

24410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	5

24425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

### 24405M

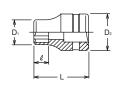






### 24410M

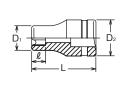






### 







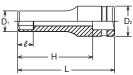


		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
s	S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

24300M • 24300A O 6-point Sockets, Deep Vasos Hexagonales, largos







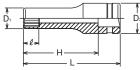
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

24300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

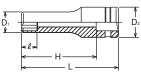
### 12-point Deep Sockets Vasos Bihexagonales Largos 24305M ()





Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos 24310M ()





**24760-75P • -125P • -250P** Extension Bars Alargaderas



24310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24760	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
75P	24	75	140	10
125P	24	125	200	5
250P	24	250	370	5

3/8" 1/2"

# Sockets with Turnable Plastic Protectors





### Safety

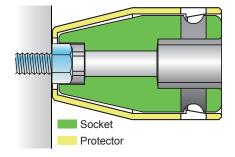
Turnable plastic protector increases operator's safety during assembly process.



### Scratch proof

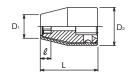
Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

Protector series are make-to-order manufacturing





13400M (FR) D<sub>1</sub> (mm) 22 22 8FR 40 15.7 6 33.3 10FR 18.2 33.3 40 12FR 20.8 22 9 33.3 43 14FR 25 56 23.6 10 33.3 13FR 21.8 25 10 56 33.3 16FR 26.1 25 11 33.3 57 27.3 12 33.3 60 17FR 25



### 13400M-FR () 6-point Sockets Vasos Hexagonales

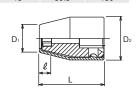


Extension Bars Alargaderas 13760-125P.FR/-250P.FR

	13760 (FR)	D (mm)	L (mm)	(g)
New	125P.FR	26.2	125	145
New	250P.FR	26.2	250	220



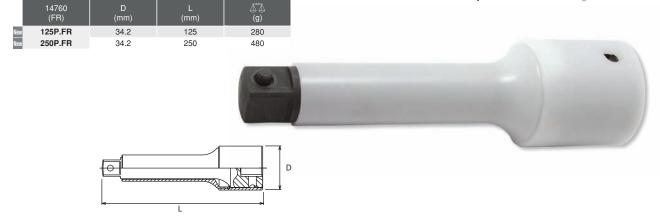
	14400M (FR)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫ <u>¯</u> (g)
New	10FR	19.5	28	7	39.3	90
New	12FR	22	28	9	39.3	90
New	13FR	23.2	28	10	39.3	90
New	14FR	24.8	28	11	39.3	90
New	16FR	27	33	10	39.3	135
New	17FR	28.2	33	12	39.3	135
New	19FR	31	33	13	39.3	130



### 6-point Sockets Vasos Hexagonales 14400M-FR



14760-125P	.FR/-250P.FR	Extension Bars Alargaderas
	,	riargaacras

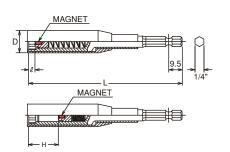


### 115G-100FR/-150FR/-200FR 🔘



Nut Setters with Sliding Magnet Vasos para tuercas con Imán Corredizo





	115G-100 (FR)	D (mm)	ل (mm)	H (mm)	L (mm)	(g)
New	8FR	15.1	4	26	100	55
New	10FR	16.9	4.5	26	100	60
New	12FR	19.3	6	26	100	80
New	14FR	21.3	7	24	100	85

	115G-150 (FR)	D (mm)	لا (mm)	H (mm)	L (mm)	₫Д (g)
New	8FR	15.1	4	26	150	75
New	10FR	16.9	4.5	26	150	80
New	12FR	19.3	6	26	150	100
New	14FR	21.3	7	24	150	110

	115G-200 (FR)	D (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)
New	8FR	15.1	4	26	200	90
New	10FR	16.9	4.5	26	200	100
New	12FR	19.3	6	26	200	125
New	14FR	21.3	7	24	200	135

### REPLACEMENT

Remove a damaged Protector and put a new Protector on Socket / Extension bar by pressing. For your safety, worn out or cracked Protector must be replaced.



Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.

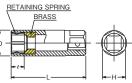
# **Automotive Tools**





3300C • 4300C Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas



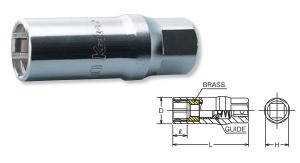


3300C (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
13		17.5	11	70	17	66	10
14		19	11	70	17	82	10
16	3/8"	20.5	13	70	17	91	10
18		23.9	12	70	21	140	10
20.8		26.9	13.5	70	22	132	10

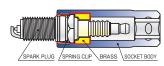
4300C (mm)		D (mm)	l (mm)	L (mm)	H (mm)	₫∄ (g)	(pcs.)
16	1/2"	21	13	70	21	101	10
18		23.9	12	70	21	132	10
20.8	ш	26.9	13.5	70	22	130	10



3300CB Spark Plug Socket (BMW) Llave de Bujía (BMW)



		_				e?=	
3300CB (mm)		D (mm)	l (mm)	L (mm)	H (mm)	Д Д (g)	(pcs.)
16	3/8"	22.8	13	65	19	118	10



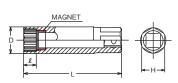
SPARK PLUG SOCKETS with SPRING CLIP
An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head,

thus preventig thread damage.

The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.

#### Spark Plug Socket with Magnet, 12-point Opening Llaves de bujía con Imán, Boca Bihex 3305P ()





	3305P (mm)		D (mm)	l (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
	14	2/0"	19	8	70	17	87	10
New	16	3/0	20.5	8	70	17	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14





# 3300S • 4300S Spark Plug Sockets with Rubber Llaves de bujía con Goma



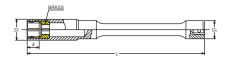


3300S (mm)		D (mm)	l (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
16	3/8"	20.9	19	70	17	100	10
18		23.9	21	70	21	145	10
20.8	ш	26.9	27	70	22	140	10

4300S (mm)		D (mm)	l (mm)	L (mm)	H (mm)	₫₫ (g)	(pcs.)
16		21	19	70	21	100	10
18	1/2"	23.9	21	70	21	130	10
20.8	ш	26.9	27	70	22	135	10









3300C.180 (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
14	3/8"	19	18	11	180	205	5
16		20.5	18	13	180	220	5
20.8	ш	26.9	18	13.5	180	260	5

1	JA	
-	9	
040		
1/40	3	6

3300C.250 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
14		19	18	11	250	271	5
16	3/8"	20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5

3305P-250 ()



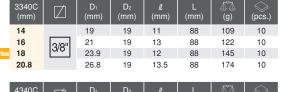
Spark Plug Socket with Magnet, 12-point Opening Llave de bujía con Imán, Boca Bihex



3305P.250 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)
14	3/8"	19	18	8	250	250	5

# 3340C · 4340C



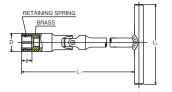


,	18 20.8	3/8"	23.9	19 19	12 13.5	88 88	145 174	10	
	4340C (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	(g)	(pcs.)	BRASS
	16 20.8	1/2"	21 26.8	25 25	13 13.5	100 100	220 250	10 10	2
									LL



127C.315 (mm)	D (mm)	l (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	₫¼ (g)	(pce.)
14	19	11	315	150	520	1
16	21	13	315	150	530	1
18	23.9	12	315	150	590	1
20.8	26.8	13.5	315	150	500	1



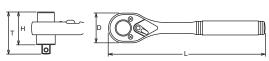


Torque Ratchet for Spark Plugs Llave de Bujías Dinamométrica 3751N



#### TORQUE RATCHET

The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted. Cylinder heads and spark plugs are protected by this mechanism.



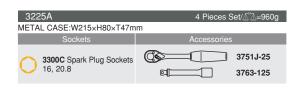
#### Torque Ratchet for Spark Plugs Llave de Bujías Dinamométrica 3751J



		D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3751N-25	2/0"	34	57	43	178	320	1
3751J-25	3/0	34	57	43	178	320	1

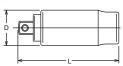
#### Set for Torque Controlled Installation of Spark Plugs Juego de Llaves de Bujías Dinamométricas 3225A





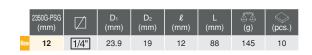
# 3701-20Nm · -30Nm Torque Adaptors 20Nm / 30Nm Adaptadores de Par 20Nm / 30Nm





3701		D (mm)	L (mm)	₫Д (g)	(pce.)
20Nm	3/8"	25.5	75	178	1
30Nm		28	75	220	1





3341G.70 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
10		14.5	19	6	70	76	10
11	3/8"	15.8	19	6	70	80	10
12	ш	17	19	6	70	85	10

	3341G.89 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)
	8		12	19	7.5	89	82	10
	9	3/8"	13.3	19	7.5	89	87	10
	10	3/6	14.5	19	6	89	92	10
New	12(DP52)		17	19	6	89	101	10

#### GLOW PLUG SOCKETS, NUT GRIP®

8

12

200

200

22.7

22.7

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

El perno/tuerca se sujeta firmemente por medio de dos bolas

en la boca hexagonal para un trabajo seguro y fiable



3342G.150 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10



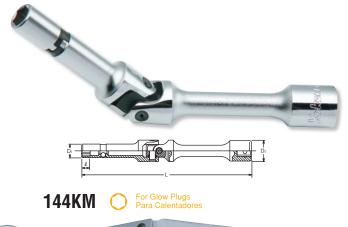




Universal Glow Plug Sockets with NUT GRIP® Llaves de Calentador con Articulación Universal con Sujeta-Tuercas (Nut Grip®) 3341G-70 · -89



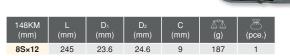












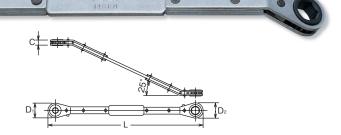
7.5

7.5

95

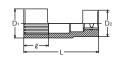
102

1



SP4305M-77 OSocket for Diesel Engine Injectors Vaso para Injectores de Motor Diesel





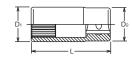
SP4305M.77 (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27

For fuel injection pump of BMW diesel cars

Socket for Diesel Engine Injectors Vaso para Inyectores de Motor Diesel 4133





		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)
4133	1/2"	23.9	23	55	86	10

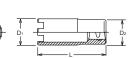
#### 4133

For fuel injection pump of M.B diesel cars.

1/2"

Diesel Injection Holder Nut Socket Vaso Porta Tuerca de Inyección Diesel 4122-72





22 4122.72-22

For M.B Trucks, Holder nut of injection post.

28.5

27

22

28.4 22 22 32 69 185 5

72

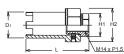
150

10

Diesel Injection Holder Nut Socket Vaso Porta Tuerca de Inyección Diesel SP4122-69









3300FN Flare Nut Sockets
Llaves de vaso para entubar



RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta



	3300FN (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	S (mm)	Ø∑ (g)	(pcs.)
	8		14.5	17.3	6	53	6.4	38	10
	9		16	17.3	7	53	6.8	41	10
	10		16.8	17.2	7.5	53	7.2	42	10
	11		18	17	8.5	53	8.3	42	10
	12		20	18	9	53	8.8	50	10
	13		21.1	20	9.5	62	9.4	66	10
	14	3/8"	22	20	10.5	62	10.5	66	10
	15	3/0	23	22	11	70	11.5	82	10
	16		24	23	11.5	70	12	90	10
	17		25	24	12.5	80	13	110	10
	18		27	25	13	80	13.5	120	10
	19		28	26	14	80	14.5	130	10
ew	22		32	29.5	16	80	16	180	10
ew	24		34.5	31.5	17	80	17	200	10

RS3300FN/6	6 Pieces Set/Rail 150mm	Д́Д (g)			
8, 10, 12, 14, 17, 19					

SP4300M-85

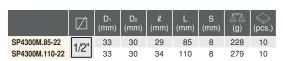
Special socket for Lambda Probes Vaso Especial para Sensores Lambda

SP4300M-110











FLARE NUT SOCKET

Socket for Lambda Probes Open section allows for use with wire/connector 24 32.5 27 17 40 57 24 157 10 26 35 27 19 40 57 24 170 10 27 36.1 27 19.5 40 57 24 175 10

#### 4300H series

Removes and installs oil pressure switches

4300H (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
27(8P)	1/2"	34	27	18.5	37	57	152	10

#### 4300H(8P) series

Socket for Switches, Mercedes Benz and MAN

4010M.100 (mm)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8(12P)	1/0"	23	63.5	100	132	10
10(12P)	1/2	23	63.5	100	135	10

4010M.120 (mm)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8(12P)	1/0"	23	83.5	120	151	10
10(12P)	1/2	23	83.5	120	155	10





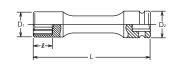
Cylinder head bolt socket for TOYOTA 4010M(12P) is Double Hex bit socket. XZN(Triple Square) bit socket has different shape.

	$\square$	D (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10





Head Bolt Bit Socket for VW/AUDI ST4027-140 can not substitute with 3027, 4027-CV bit series.



13145M.150 (12P) (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)
10	2/0"	15.8	19	10	150	120	1	*1
12	0/0	18.3	19	12	150	128	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A•B -> P238-239

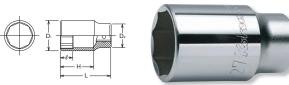
16305M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	لا (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
14		26.3	44	14	74	100	500	2	*1
17	3///"	30	44	17	74	100	544	2	*1
19	3/4	32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A•B > P238-239



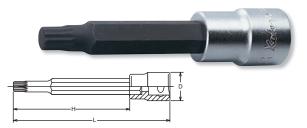


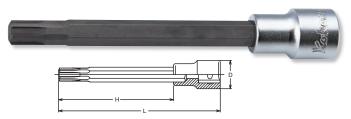




# 4010M-100 · -120 (12P)







13145M-150 • -200 (12P) CEXTRA LONG VASOS EXTR

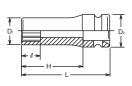


13145M.200 (12P) (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pce.)	W
10	2/0"	15.8	19	10	200	151	1	*1
12	3/8	18.3	19	12	200	159	1	*1

<sup>\*1</sup> C-Ring=1301C, Pin/O-Ring=1301A/B -> P238-239



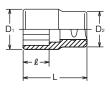






4109M O Double Square Sockets Vasos Octagonales





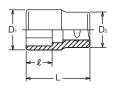
4109M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19	1/2"	31.5	29	14	40	150	10
21.5	ш	35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series For Lubrication service



4111M O 6-point Socket Vaso Hexagonales





4111M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M

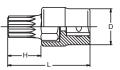
For Lubrication service

4020-60 (MH) 🔘



Bit Socket for XZN-Screws with hole Vaso con Punta para Tornillos XZN con agujero





4020.60 (XZN)	$\square$	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
MH16	1/2"	24	20	60	135	10

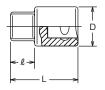


4020-60-MH16 Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M · 3110A 4-point Male Sockets Vasos con Macho Cuadrado







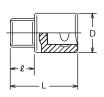
3110M (mm)		D (mm)	لا (mm)	L (mm)	₫Д (g)	(pcs.)
6		18	10	28	30	10
8	3/8"	18	10	28	30	10
10	3/6	18	10	28	33	10
12		18	10	28	37	10

3110A (inch)		D (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16		18	10	28	30	10
3/8	3/8"	18	10	28	33	10
1/2		18	10	28	37	10

4110M • 4110A 4-point Male Sockets Vasos Macho Cuadrado







4110M (mm)		D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
8		24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12	1/2"	24	10	32	64	10
13	1/2	24	10	32	66	10
13.5		24	10	32	67	10
19		25	15	37	101	10
20		26	15	37	114	10

4110A (inch)		D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	1/0"	24	10	32	62	10
1/2	1/2	24	10	32	64	10



158	L <sub>1</sub>	L₂	d	₫Д	(pce.)
(mm)	(mm)	(mm)	(mm)	(g)	
8S×10S	63	230	13	319	1

3012M.25 (mm)	$\square$	D (mm)	L (mm)	₫Ъ (g)	(pcs.)
14	2/0"	19	25	30	10
17	3/0	19	25	30	10

Drain Plug Keys 8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H

(g)

(mm)

8S×10S

8H×3/8H

10H×11H

12H×13H

14H×17H

19H

1/2"

METAL CASE:W190×H59×T45mm

4102 Drain Plug Key Adaptor





3012M-25



Drain Plug Keys Set Juego de Llaves de Tapón de Vaciado 

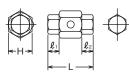


Inhex Sockets Vasos con Punta Hexagonal





106 Puntas Macho Cuadrado / Hexagonal

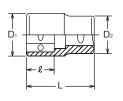




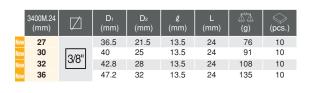




Adaptor for 106 Drain Plug Key Adaptador para llave de tapón de Vaciado 106







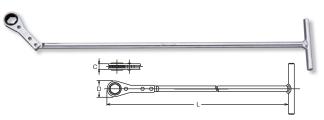








# 154K Push and Pull-Ratchets Llaves de Carraca de Empuje y Tracción



CARDBOARD BOX
Sockets Accessory
150.14H Sockets 154K-14

154K	L	D	C	₫∄	(pce.)
(mm)	(mm)	(mm)	(mm)	(g)	
14	480	24.6	9	280	1

#### Socket, For 154K Vasos 150-14H ()



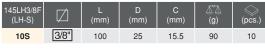


150.14H (mm)	D (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

# 145LH3/8F Belt Tension Pulley Wrench









**Belt Tension Pulley Wrench** For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt









For removing and installing belt pulley at the generator.

Koken TOOL CO., LTD.







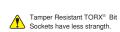


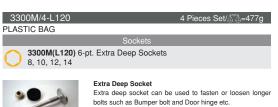


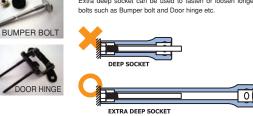


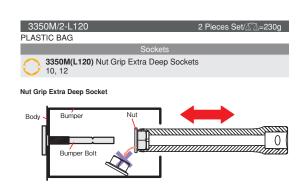


around the steering wheel







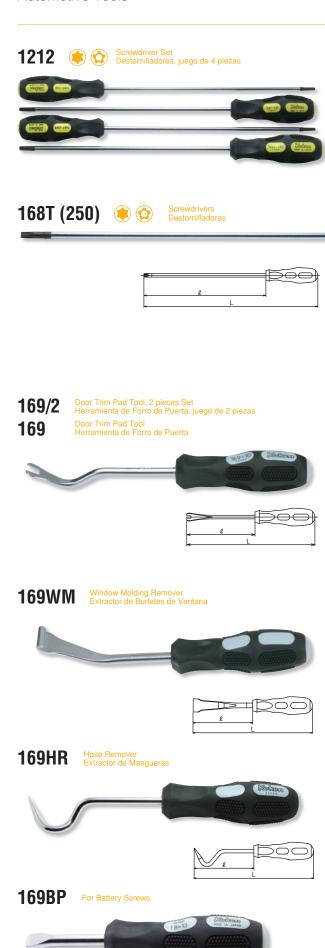


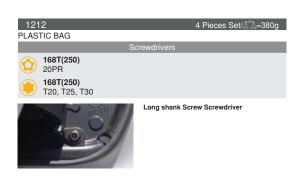














250

20PR

168T(250) (T)	ل (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

350

169/2	2 Pieces Set/🏂=200g
PLASTIC BAG	
	Clip Handles
	169
	6, 10

169	ل (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
6	115	215	80	2
10	120	230	110	2
N			Clip Handle	





169BP	T×W (mm)	l (mm)	L (mm)	₫`` <u>A</u> (g)	(pcs.)
1.8×13	1.8×13	50	150	60	2





TORX\* is a registered trademark of Acument Intellectual Properties, LLC. TORX\* es una marca registrada de Acument Intellectual Properties, LLC.

w [D

4425 (E)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫¼ (g)	(pcs.)
E10N		13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N	1/2"	16.5	21	10.6	37	50	10
E16N	1/2	19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10





Engine type : QR/MR Flywheel bolt for NISSAN: E20N

13145A.150 (inch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
9/16(D20)	3/8"	20	19	13	150	130	1	*1
*1 C-Ring=1	1301C, Pi	n/O-Ring=	1301A/B	→P238-	-239			
444454450		_				£₹₹	599Z	

14145A.150 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
9/16(D20) 1/2"	20	25	13	150	200	1	*1

<sup>\*1</sup> C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239

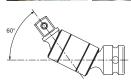
For Land Rover Prop Shaft

		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)	(D)
13772-P	3/8"	22	19	75	120	5	*1
14772-P	1/2"	27	25	90	230	1	*2

\*1 C-Ring=1301C,Pin/O-Ring=1301A/B \*2 C-Ring=1401C,Pin/O-Ring=1401A/B







14305M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)	(1)
30		42	30	30	63	85	457	10	*2
32	1/2"	44.5	30	32	63	85	542	10	*2
36	ш	49.5	30	36	61	85	635	2	*2

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B -> P238-239















Socket Set on Rail Juego de Vasos en Regleta



13145A-150 () 14145A-150



Extra Long Sockets Vasos Extra-Largos



Universal Double Joint Articulación Universal 13772-P 14772-P

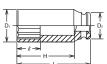






12-point Deep Sockets Vasos Bihexagonales Largos



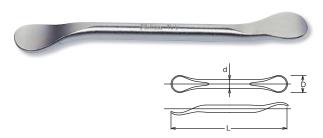


4101 • 6101 Sockets for Slotted Heads Vasos para Cabeza Ranurada



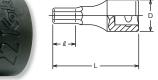


Tyre Lever Llave de Neumáticos



4012M-43 Inhex Sockets Vasos Inhex



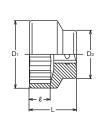


4400M-DU Rear Wheel Nut Socket 4405M-DU 🔘



# 6405A-MV Rear Wheel Nut Socket





4101		T×W (mm)	D (mm)	L (mm)	₫¼ (g)	(pcs.)
1		2.7×18.6	22	40	59	10
2	1/2"	3.7×24	24	40	79	10
3		3.7×30	30	40	128	10

		T×W (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	10

	D (mm)	d (mm)	L (mm)	Ø∄ (g)	(pcs.)
155	22	10	170	100	10

For Motor Cycles

4012M.43 (mm)		D (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)
20		26	11.5	43	130	10
21		26	11.5	43	140	10
22	1/2"	26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10



4400M	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)
41DU	1/0"	53	45	15	28	240	5
46DU	1/2	59	48	15	28	280	5

	4405M	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)
New	36DU	1/0"	47.3	41	15	28	200	5
	55DU	1/2	71	52	16	31	410	5





6405A	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)
2.3/16MV	3/4"	74.6	53	23	52	790	2



# 14201M 14145PM-110

Wheel Nut Sockets Set
Juego de Vasos para Rueda











### 14201M 3 Pieces Set/△□=690g CARDBOARD BOX:W125×H95×T34mm

# 14145PM.110 Impact Wheel Nut Sockets

14145PM.110 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	Shaft Color	Д¯Д (g)	(pcs.)	(D)
17		23.7	25.2	21		208	5	*1
19	1/2"	25.7	27.2	23		219	5	*1
21	1/2	27.5	29	25		226	5	*1
22		29	30.5	26		238	5	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B



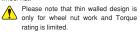
Impact Wheel Nut Sockets-Extra Thin wall Special design for wheel nut work.

-110mm length gives socket extra reach for

nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.

-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.

-Plastic insert helps prevent damaged to wheel nut.



198-17 : Spare Plastic Protector for 14145PM.110-17 : 10 pcs. 198-19 : Spare Plastic Protector for 14145PM.110-19 : 10 pcs. 198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs. 198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.



A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.

The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

# PLASTIC PROTECTOR

	280PM (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)		Shaft Color		(pcs.)
New	19	25.7	27.2	13	52	19		150	5
New	21	27.5	29	13	55	21		180	5

Designed for Low Profile Wheel nut socket.

Detachable plastic protector is fitted to the adaptor to prevent damage to painted or surface treatment area on the wheel.

The Plastic insert locate inside of the adaptor helps prevent damage to wheel nut. Colour coded band make size identification easy.

Diseñado para Vasos de Tuercas de Llantas de perfil bajo

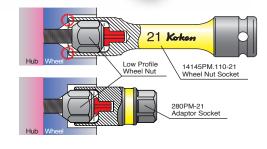
Protector plástico desmontable es ajustado al adaptador para proteger la superficie pintada o con recubrimiento superficial de la llanta

El inserto plástico localizado dentro del adaptador, protege la tuerca de la llanta La banda coloreada consigue una fácil identificación de la medida















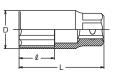
4300M (L60)



Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)









#### 23.6 25 60 21 98 10 17 1/2" 19 25.1 25 60 21 100 10 27 1 25 60 21 102 10



Wheel Nut Sockets

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

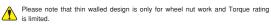
# 4300M (L110) (



Wheel Nut Sockets (Long) Vasos para Ruedas (Largos)



4300M(L110) (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
17		23	22	32	110	155	5
19	1/2"	25.8	22	32	110	170	5
21		26.8	22	32	110	165	5



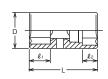






14118M Wheel Nut Sockets, Double Ended Vasos para Rueda, Dos Bocas





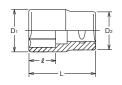
14118M (mm)		D (mm)	ℓ ₁ (mm)	ℓ₂ (mm)	L (mm)	₫Д (g)	(pcs.)
17×19		28	15.5	13	48	150	10
19×21	1/2"	31	17.5	13	57	177	10
19×22		31	17.5	15	57	187	10

### **AL4400M**



Aluminium Sockets for Wheel Nuts Vasos de Aluminio para Tuercas de Rueda





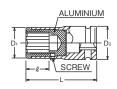
AL4400M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
17	1/2"	29.5	27	21	43	52	10
10	1/2	31	20	2/	45	58	10

# AR14300



Impact Sockets with Exchangeable Aluminium Inlets Vasos de Impacto con Partes Intermas de Aluminio Recambiables





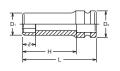
AR14300 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
17		28	30	21	65	220	10	*1
19	1/2"	30	30	24	65	223	10	*1
21		22	20	25	G.E.	227	10	*4

## AN14300



Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio





AN14300 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
17		25.7	30	17	62	80	85	10	*1
17 19	1/2"	28.2	30	19	61	80	89	10	*1
21	ш	30.7	30	21	61	80	93	10	*1

<sup>\*1</sup> C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

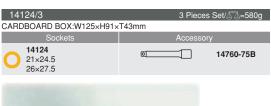
14113J (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
17		25.7	30	14	80	251	10	*1
19	1/2"	28.2	30	16	80	286	10	*1
21	ш	30.7	30	20	80	309	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B >P238-239

14113M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
17		25.7	30	34	80	230	10	*1
19	1/2"	28.2	30	38	80	262	10	*1
21		30.7	30	42	80	285	10	*1

\*1 C-Ring=1402C, Pin/O-Ring=1402A/B > P238-239

14124 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ ₁ (mm)	<b>ℓ</b> 2 (mm)	L (mm)	Д¯Д (g)	(pcs.)
21×24.5 26×27.5	1/2"	28	29.5	24	25	65	157	10
26×27.5	1/2	31.5	35	24.5	24.5	65	197	10



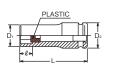


14124 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
17		20.5	25	15	50	83	10	*1
18		21	25	15	50	83	10	*1
18.5		23	25	15	50	95	10	*1
19	1/2"	25	30	20.5	50	140	10	*2
21	1/2	28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14124/7	7 Pieces Set/Rail 250mm	₫∄ (g)
	18, 18.5, 19, 21, 24.5, 26, 27.5	980

Impact Sockets with Plastic Stops for Hub Cap Screws Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos 14113J ()

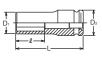




14113M



For Hub Cap Screws Para Tornillos de Tapacubos

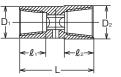




14124



Lock Nut Busters (Double Ended) Tronzador de Tuercas (Dos Bocas)





14124/3



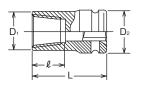
Lock Nut Busters (Double Ended) in set Juego Tronzador de Tuercas (Dos Bocas)



14124



Lock Nut Busters Tronzador de Tuercas















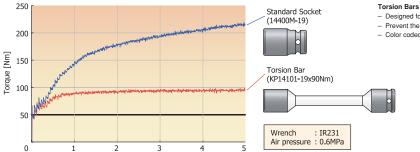
KP14101 (mm×Nm)		D (mm)	ل (mm)	L (mm)	Shaft Color	₫₫ (g)	(pcs.)	W
17×110Nm		24	21	204		230	10	*1
19× 90Nm		26	24	259		250	10	*1
19×110Nm	1/2"	26	24	213		240	10	*1
21×100Nm	1/2	28	27	215		255	10	*1
21×110Nm		28	27	216		250	10	*1
21×130Nm		28	27	207		305	10	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239

#### How to use Torsion Bar:

- Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
   Set air pressure 0.6MPa, and set impact wrench dial Medium range.
- Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
   Attach the torsion bar to impact wrench and apply load.

- Check the actual tightening torque value with torque wrench.
   Adjust air pressure or torque value according to the results of check 5.
- 7. Tight other wheel nut in diagonal order.



- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

KP14101/6S

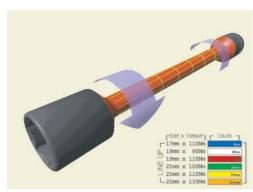


Time [sec.]













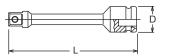
14112 Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete)





14112	$\square$	D (mm)	L (mm)	₫Д (g)	(pce.)	(D)
90NmP		25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP	1/2"	25	213	220	1	*1
120NmP	ш	25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1





14101M ()



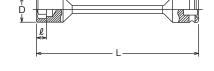
Torsion Bars (for tightening only)
Barras de Torsíón (solamente para apriete)





14101M (mm×Nm)		D (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	ℴ
14× 95Nm		22	11	208	230	1	*1
15×110Nm		23.2	11	201	230	1	*1
17× 60Nm		25.7	12	216	227	1	*1
17× 75Nm		25.7	12	228	240	1	*1
17× 95Nm		25.7	12	214	256	1	*1
17×110Nm		25.7	12	204	285	1	*1
17×120Nm		25.7	12	200	284	1	*1
19× 60Nm	1/2"	28.2	13	219	237	1	*1
19× 90Nm	1/2	28.2	13	259	275	1	*1
19×110Nm		28.2	13	214	278	1	*1
19×120Nm		28.2	13	203	297	1	*1
19×135Nm		28.2	13	206	339	1	*1
19×170Nm		28.2	13	190	332	1	*1
21×100Nm		30.7	14	214	288	1	*1
21×120Nm		30.7	14	203	288	1	*1
22×160Nm		32	15	209	385	1	*1

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239

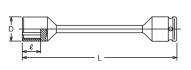


16101M · 18101M (



Torsion Bars (for tightening only) Barras de Torsión (solamente para apriete)





24

27

32



33×600Nm	50	33	280
*1 C-Ring=1600C,	Pin/O-Ring=16	01A/B	P238-239

38.8

42.5

48.8



24×180Nm

27×450Nm

32×600Nm

3/4"

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

235

280

280

1370

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

18101M (mm×Nm)	$\square$	D (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	ⅆ
24×350Nm		43.5	24	300	1380	1	*1
27×350Nm		47	27	300	1401	1	*1
27×450Nm		47	27	300	1579	1	*1
30×500Nm		51	30	300	1563	1	*1
32×450Nm		53.5	32	300	1600	1	*1
32×550Nm	1"	53.5	32	300	1602	1	*1
32×600Nm	ш	53.5	32	300	1602	1	*1
32×700Nm		51.5	32	300	1630	1	*1
33×550Nm		55	33	300	1638	1	*1
33×600Nm		55	33	300	1638	1	*1
36×600Nm		58.5	36	300	1718	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

8102M-400

6102M-400 Extra long Sockets for Wheel Nuts Vasos de para Rueda Extra-largos





6102M.400 (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	40	14	400	1880	1
32	3/4"	48.5	40	32	400	1480	1
33	ш	49.8	40	32	400	1500	1

8102M.400 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	49.9	14	400	2610	1
32	1"	48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1



6102M/8102M are for hand use only. Do not use with a poweror impact wrench.





Extra long Socket for wheel nut

16102M-270 • -400 Extra long Sockets for Wheel Nuts Vasos de Impact para Rueda Extra-largos 18102M-270 · -400 (







16102M.270 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pce.)	W
24		38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30	3/4"	46.3	44	30	270	1144	1	*1
32	3/4	48.8	44	32	270	1157	1	*1
33		50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1

<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

18102M.270 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫₫ (g)	(pce.)	(1)
23		37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30	1"	46	54	30	270	1680	1	*1
32	ш	48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

16102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	(V)
24		38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30	3/4"	46.3	44	30	400	1510	1	*1
32	3/4	48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

<sup>\*1</sup> C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

18102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫∄ (g)	(pce.)	(I)
23		37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30	1"	46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

PW6 (mm×mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
32×17		47	44	12	75	633	2	*1
35×17		50	44	13	75	673	2	*1
38×20	3/4"	55	44	14	75	708	2	*1
41×19	3/4	58	44	14	80	840	2	*1
41×20		58	44	14	80	840	2	*1
41×21		58	44	14	80	831	2	*1

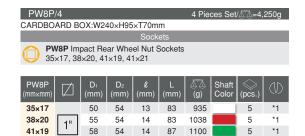
\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

PW8 (mm×mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
35×17		50	54	13	83	935	2	*1
38×20		55	54	14	83	1038	2	*1
41×19	1"	58	54	14	87	1100	2	*1
41×20	ш	58	54	14	87	1096	2	*1
41×21		58	54	14	87	1089	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

SIZE	VEHIC	LE
32 × 17	тоуота	(∼2t)
35 × 17	NISSAN MITSUBISHI MAZDA ISUZU	(~3t) (~1t) (~2t) (~3.5t)
38 × 20	MITSUBISHI	(2~3.5t)

SIZE	VEHIC	LE
41 × 19	MAZDA	(3~4t)
41 × 20	TOYOTA DAIHATSU HINO	(2t ~) (2 ~ 3.5t) (2 ~ 3.5t)
41 × 21	NISSAN MITSUBISHI ISUZU HINO	(4t~) (2t~) (4t~) (4t~)



14 87 1100

58 \*1 C-Ring=1801C, Pin/O-Ring=1801A/B

54 14 87 1089

58 54

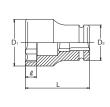
41×19

41×21

PW8L (mmxmm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pce.)	W
41×21	1"	58	54	15	105	1263	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

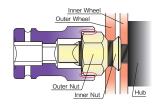


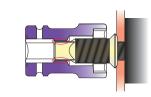




Tightening / Loosening Outer Nut

Tightening / Loosening Inner Nut





# **PW8P/4** PW8P





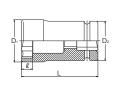
Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna



### PW8L



Rear Wheel Nut Socket (long) Vasos de Tuerca de Rueda Interna (largos)





PW6 · PW8



Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna





PW6 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
17		40	44	19	53	433	5	*1
19	2//"	40	44	19	53	419	5	*1
20	3/4	44	44	21	55	483	5	*1
21		44	44	23	57	491	5	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

PW8 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
17		40	54	19	60	621	2	*1
19	4"	43	54	19	60	648	2	*1
20	Ш	45	54	21	62	687	2	*1
21		45	54	23	64	696	2	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

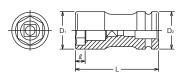
16316M • 16316A Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna











16316M (mm×mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¾ (g)	(pce.)	(D)
35×17		52	44	10	90	865	1	*1
38×20	3/4"	56	44	13	100	952	1	*1
41×19	3/4	59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

16316A (inchxinch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫³Д (g)	(pce.)	(1)
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

18316M (mm×mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
35×17		52	54	10	108	1153	1	*1
38×20	4"	56	54	13	108	1133	1	*1
41×19	Ш	59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

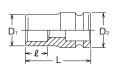
18316A (inchxinch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
1.1/2×13/16	1"	59	54	13	108	1120	1	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

16317M • 16317A Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna 18317M · 18317A 🔘







16317M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ل (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
17		40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20	3/4"	44	44	22.5	67	517	1	*1
21	ш	44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B -> P238-239

16317A (inch)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	لا (mm)	L (mm)	₫∄ (g)	(pce.)	W
13/16	3/4"	44	44	22.5	67	489	1	*1

\*1 C-Ring=1600C, Pin/O-Ring=1601A/B > P238-239

18317M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pce.)	₩
17		40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20	1"	45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

\*1 C-Ring=1801C, Pin/O-Ring=1801A/B > P238-239

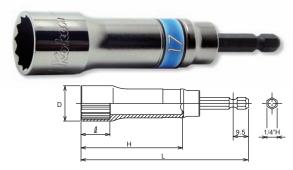
18317A (inch)		D₁ (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pce.)	(D)
13/16	1"	45	54	22.5	72	703	1	*1

<sup>\*1</sup> C-Ring=1801C, Pin/O-Ring=1801A/B -> P238-239

# Construction



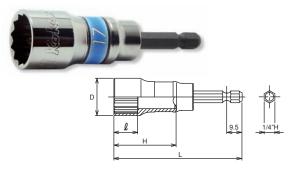
BD014E 12-point Nut Setters, Deep Vasos Bihex para Apretar Tuercas, largos



BD014E (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE

12-point Nut Setters Vasos Bihex para Apretar Tuercas

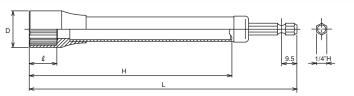


BD014SE (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P)



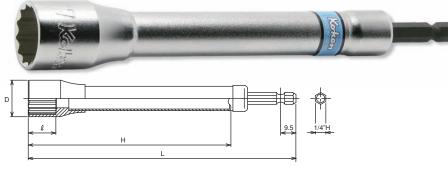




BD008E.165 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
17(12P)	22.5	17	110	165	105	10
19(12P)	24.5	17	110	165	135	10
21(12P)	27	17	110	165	142	10

BD008E-300 · -500 · -700 (12P)





BD008E.300 (mm)	D (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
17(12P)	22.5	17	245	300	154	2

BD008E.700	D	ل	H	L	₫Д	)
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
17(12P)	22.5	17	645	700	292	

	BD014XE (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	8SF	13	12	49	90	40	10
New	10SF	15	12	49	90	46	10
New	12SF	17.5	14	48	90	54	10
New	13SF	18.5	14	48	90	58	10
New	14SF	19.8	14	47	90	64	10
New	17SF	23.5	14	46	90	81	10
New	19SF	25.5	14	46	90	100	10
New	21SF	28	14	46	90	123	10
New	24SF	31.5	14	45	90	137	10

	BD014E (mm)	D (mm)	ل (mm)	H (mm)	L (mm)	₫Д (g)	∭ (pcs.)
New	17SF	23.5	18	60	104	94	10
New	19SF	25.5	18	60	104	100	10
New	21SF	28	18	60	104	110	10

# **SURFACE DRIVE**

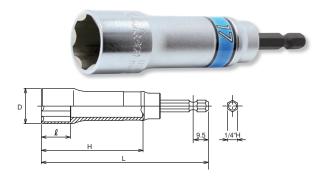
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

BD011SE (mm)	D (mm)	l (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

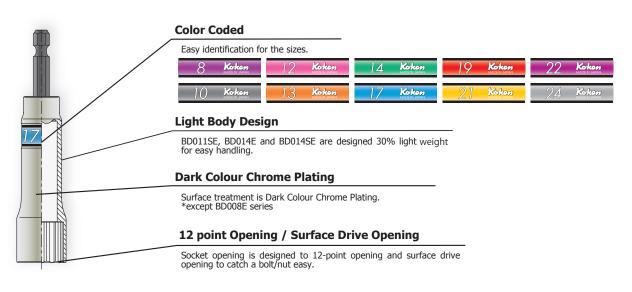


BD014E-SF Surface Drive Nut Setters Vasos con Mango

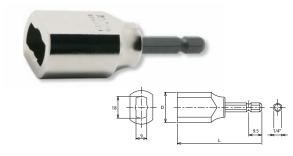


# BD011SE 12-point Universal Joint Nut Setters Vasos Bihex para Apretar Tuercas con Articulación Universal



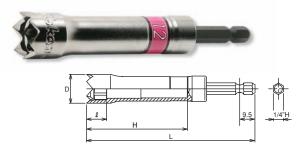


# **BD003E-I**



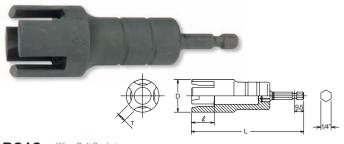
	D (mm)	L (mm)	₫∄ (g)	(pcs.)
BD003E-I	25	70	95	10

## **BD013E**



BD013E	D	ℓ	H	L	₫₫	(pcs.)
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	
12	17.8	12.5	63	105	69	10

# BD017E Wing Bolt Socket for Electric Drill Vaso para Tuerca de Orejetas para Taladro eléctrico





	D (mm)	T (mm)	ℓ (mm)	L (mm)	ДД (g)	(pcs.)
BD017E	31	7.3	21	104	158	10

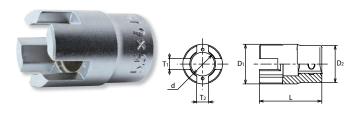
#### Wing Bolt Socket Vaso para Tuerca de Orejetas **BD018**



	$\square$	D (mm)	T (mm)	l (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
BD018	3/8"	31	7.3	21	45	113	10	*1

<sup>\*1</sup> C-Ring=1302C, Pin/O-Ring=1401A/B >> P238-239

#### Wing Bolt Socket Vaso para Tuerca de Orejetas 3119









For Wing Bolt Para Tuercas de Mariposa

For Drain Plug in Radiator Para conectores de drenaje en Radiadores

BD023E	$\square$	D (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

BD024E	$\square$	D (mm)	L (mm)	ДĨД (g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

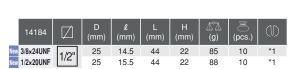
123PN.65 123PG.65 (PH)	D (mm)	L (mm)	ДД (g)	(pcs.)
1	6.35	65	13	10
2	6.35	65	13	10
3	6.35	65	14	10

123PN.110 123PG.110 (PH)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

123PN.150 123PG.150 (PH)	D (mm)	L (mm)	ДĨД (g)	∭ (pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

Groove position: Japanese model

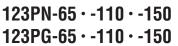
184.64	D (mm)	ℓ (mm)	L (mm)	H (mm)	₫∄ (g)	Æ (pcs.)
New 3/8×24UNF	12.5	14.5	64	13	34	10
New 1/2×20UNF	12.5	15.5	64	13	40	10



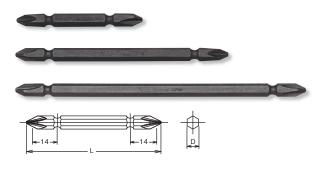
\*1 C-Ring=1401C, Pin/O-Ring=1401A/B -> P238-239













**14184** Drill Chuck Adaptor Adaptador porta-brocas para Taladro



**BD004** O Impact Screw and Stud Setters Vasos de Impacto para Atornillar Pernos y Espárragos



BD004 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
12.5×10		30	25	70	236	5	*1
12.5×13	1/2"	38	30	75	388	3	*2
12.5×16	ш	38	30	75	369	3	*2
20 ×19		48	44	90	775	3	*3
20 ×22	3/4"	48	44	90	752	3	*3
20 ×25	3/4	62	44	95	1184	2	*3
20 ×29		62	44	95	1148	2	*3

- \*1 C-Ring=1401C, Pin/O-Ring=1401A/B
- \*2 C-Ring=1402C, Pin/O-Ring=1402A/B \*3 C-Ring=1600C, Pin/O-Ring=1601A/B

→P238-239



162E O Stud Setters
Vasos de Atornillar Espárragos



162E (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
10	28	66	107	10

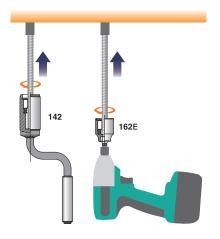
162E (inch)	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

\*Renewal Kits → 162RK → P289





142 (inch)	L (mm)	(g)	(pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1



ACCESSORIES SCREWDRIVERS IMPACT SLEEVE-DRIVE INDUSTRIAL PROTECTOR AUTOMOTIVE CONSTRUCTION RENEWALKITS ACCESORIOS DESTORNILLADORES DE IMPACTO INDUSTRIALES PROTECTORES CONSTRUCCIÓN JUEGOS DE RIEXAS REPUESTO

141S (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	ДД (g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

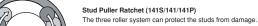
#### Stud Puller Ratchets Extractores de Espárragos de Carraca 141S O



Stud Puller Ratchets Extractores de Espárragos de Carraca 141

141 (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	₫∄ (g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

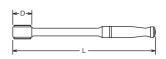


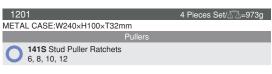
El sistema de tres rodillos puede proteger los espárragos de





141P (mm)	D (mm)	L (mm)	ДД (g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1









BD14400MJ 6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje





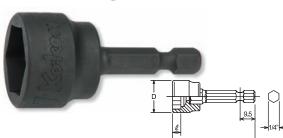
BD:4400MJ (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	₫∄ (g)	(pcs.)	W
13		20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
16		24.5	30	6.5	38	145	10	*2
17	1/2"	25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2
21		30.7	30	9	38	185	10	*2
24		34.5	30	10.5	38	190	10	*2

\*1 C-Ring=1401C, Pin/O-Ring=1401A/B \*2 C-Ring=1402C, Pin/O-Ring=1402A/B

# **BD016E** BD016E-SF



6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje



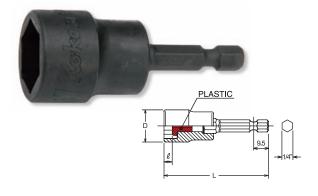
BD016E (mm)	D (mm)	ℓ (mm)	L (mm)	∆~∆ (g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

BD016E (mm)	D (mm)	ل (mm)	L (mm)	₫₫ (g)	(pcs.)
13SF	19.5	4	50	43	10
17SF	24.5	5	50	56	10
19SF	27	6	50	68	10

# BD016JE **BD016JE-SF**



6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje

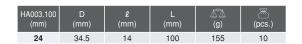


BD016JE (mm)	D (mm)	ل (mm)	L (mm)	Д¯Д (g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

BD016JE (mm)	D (mm)	ل (mm)	L (mm)	₫Д (g)	(pcs.)
13SF	19.5	5	60	66	10
17SF	24.5	6.5	60	80	10
19SF	27	7.5	60	90	10

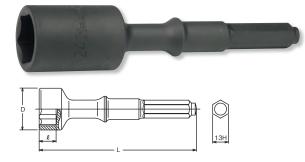
HA001	D (mm)	ℓ (mm)	L (mm)	₫Д (g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.25)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10
W3/8	14.8	13	47	90	10
W1/2	17.6	15	49	105	10

HA002.130 (mm)	D (mm)	لا (mm)	L (mm)	₫∄ (g)	(pcs.)
24	34.5	14	130	246	10
HA002.160 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	160	465	10



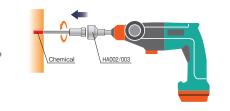


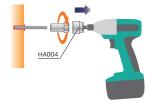


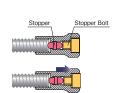












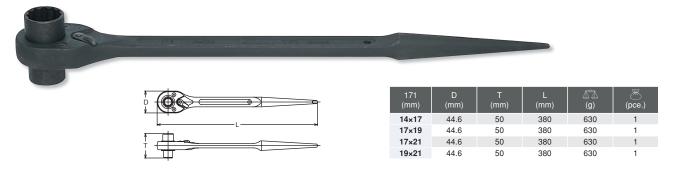




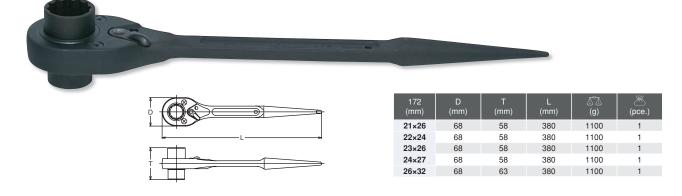
#### Spud Handle Ratchets(Short) Llaves de Carraca con Mango de Cola(Cortas) 171S (



#### Spud Handle Ratchets(Long) Llaves de Carraca con Mango de Cola(Largas) 171



# Spud Handle Ratchets Llaves de Carraca con Mango de Cola

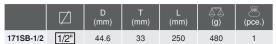


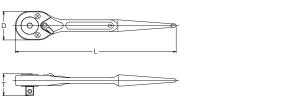
ACCESSORIES SCREWDRIVERS IMPACT SLEEVE-DRIVE INDUSTRIAL PROTECTOR AUTOMOTIVE CONSTRUCTION RENEWALKITS ACCESSORIOS DESTORNILLADORES DE IMPACTO INDUSTRIALES PROTECTORES CONSTRUCCIÓN JUEGOS DE REZAS REPUESTO

# Spud Handle Ratchet with Push Button(short) Llave de Carraca con Mango de Cola con Botón(corta)



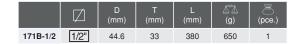
171SB-1/2

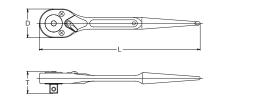




#### Spud Handle Ratchet with Push Button(Long) Llave de Carraca con Mango de Cola con Botón(larga) 171B-1/2







#### (g) 20.3 21.8 1/2" 26.5 21.8 21.8





Set Juego



Ko-ken welcomes customer enquiries for special tools. New items can be designed and manufactured according to customers requirements. Please enquire through your distributors.

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# **Renewal Kits**



### 2749RK



2752RK 2752N



**2753RK** 2753P, 2753P, 2753P, 2753P-160, 2753J, 2774PS, 2774JS, 2774P, 2774J



**2753BRK** 2753NB, 2753PB, 2753JB



2725RK 2725Z, 2726Z



**2749RK-3/8** 2749PS-3/8, 2749N-3/8, 2749P-3/8 2774PS-3/8, 2774JS-3/8



3749RK 3749S, 3749N



### 3749BRK 3749SB



**3752RK** 3752N, 3752J, 3757, 3776N, 3776P, 3776J



**3753RK** 3753SM, 3753N, 3753P, 3753P-250, 3753J, 3774PS, 3774P-SR D3753J, 3774N, 3774P, 3774JJ, 3774NL, 3774PL, 3774JL



**3753BRK** 3753SMB, 3753NB, 3753PB, 3753JB 3774NB, 3774PB, 3774JBL



**3725RK** 3725Z, 3725ZS, 3726Z, 3726ZS



 $\textbf{168T-6IP(40)} \ \, \mathsf{TORXPlus}^{\$} \, \mathsf{6IP} \, \mathsf{Screwdriver} \, \mathsf{for} \, \mathsf{2725RK}$  $\textbf{168T-8IP(40)} \ \, \mathsf{TORXPlus}^{\$} \, \mathsf{8IP} \, \mathsf{Screwdriver} \, \mathsf{for} \, \mathsf{3725RK}$ 



	Ø	₫Д (g)	(pce.)
2749RK		30	1
2752RK		42	1
2753RK	1/4"	30	1
2753BRK		31	1
2725RK		30	1
2749RK-3/8		45	1
3749RK		70	1
3749BRK		84	1
3752RK	3/8"	84	1
3753RK		76	1
3753BRK		77	1
3725RK		50	1
168T-6IP(40)	_	20	1
168T-8IP(40)	_	20	1

## 3749SRK-1/2 3749S-1/2



## 3749SBRK-1/2 3749SB-1/2



**4749RK** 4749N-250 4749N-380, 4749J-380



**4750RK** 4750N, 4750P, 4750J



**4750BRK** 4750NB, 4750PB, 4750JB



		$\square$	₫ <u>Ђ</u> (g)	(pce.)
	3749SRK-1/2		120	1
	3749SBRK-1/2		120	1
	4749RK		130	1
	4750RK		130	1
	4750BRK	1/2"	130	1
	4752RK	ш	140	1
	4753RK		130	1
	4753BRK		130	1
New	4725RK		130	1
	6749RK	3/4"	580	1
	6752RK	3/4	600	1
	8749RK	1"	800	1

## **4752RK** 4752N, 4752J



**4753RK** 4753N, 4753P, 4753P-410, 4753J, D4753J 4774N, 4774P, 4774P-450, 4774J



**4753BRK** 4753NB, 4753PB, 4753JB 4774NB, 4774PB, 4774JB



4725RK 4725Z



6749RK 6749, 6749-1000



6752RK 6752





## 2755RK



### 3755RK



## 4755RK



### 6755RK



		₫Д (g)	(pce.)
2755RK	1/4"	40	1
3755RK	3/8"	98	1
4755RK	1/2"	137	1
6755RK	3/4"	550	1

#### 2768RK 2768N, 2768P, 2768J



**3768RK** 3768N, 3768P, 3768J 3768ZRK 3768Z



**4768RK** 4768N, 4768P, 4768J, 4781N-450 4768ZRK 4768Z



## 6768RK 6768



### 8768RK 8768



		$\square$	₫∄ (g)	(pce.)
	2768RK	1/4"	9	1
	3768RK	3/8"	21	1
	3768ZRK	3/8"	21	1
	4768RK	1/2"	60	1
New	4768ZRK	1/2"	60	1
	6768RK	3/4"	200	1
	8768RK	1"	475	1

## 3112RK



	Ø	(pce.)
3112RK	3/8"	1
4112RK	1/2"	1
6112RK	3/4"	1

4100MRK (mm)	Ø	(pce.)
6		1
7		1
8		1
9		1
10	1/2"	1
10.5	1/2	1
11		1
12		1
14		1
16		1

4100ARK (inch)	Ø	(pce.)
1/4		1
5/16		1
3/8		1
7/16	1/2"	1
1/2		1
9/16		1
5/8		1

6100MRK (mm)	Ø	(pce.)
18		1
20		1
22		1
24	2/4"	1
27	3/4	1
28		1
29		1
30		1

162RK	(pce.)
5/16	1
3/8	1
1/2	1
10	1

# 4112RK



## 6112RK



## 4100MRK 4100ARK

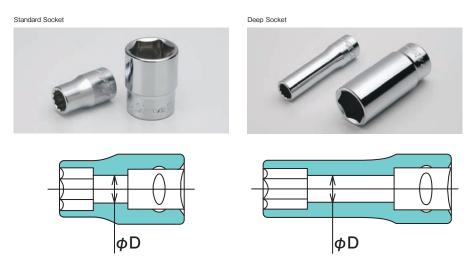


## 6100MRK

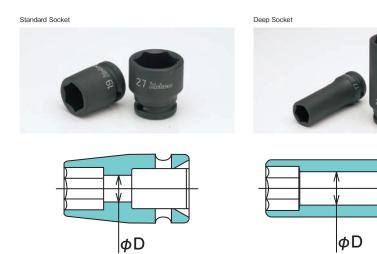


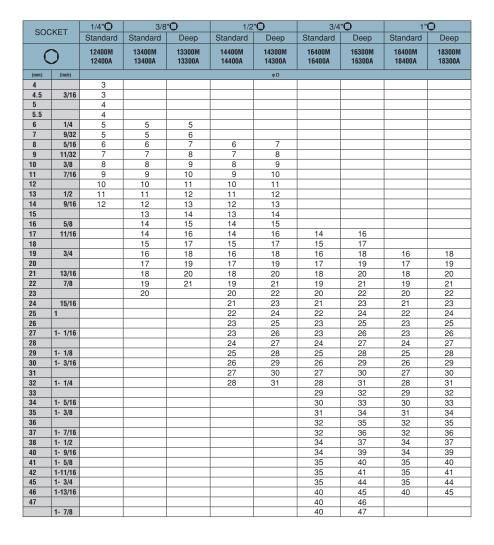
## 162RK





		1/4	"O	3/8	"O	1/2	"O	3/4	1"0		
SOC	CKET	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	ep Standard	
(	)	2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A	
	)	2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A	
(mm)	(inch)	0.5	0.5			φD					
3	1/8	2.5 3.5	2.5 3.5								
4.5		4	4								
5	3/16	4	4.5							1	
5.5	7/32	4.5	5	4.5	5						
6	1/4	5	5	5	5						
7	9/32	5.5	6	5.5	6						
8	5/16	6	7	6	7	6	7				
9	11/32	7	8	7	8	7	8				
10	3/8	8	9	8	9	8	9				
11	7/16	9	10	9	10	9	10				
12 13	1/2	10 11	11 12	10	11 12	10 11	11 12				
14	9/16	12	13	12	13	12	13				
15	19/32	12	10	13	14	13	14			-	
16	5/8			14	15	14	15				
17	21/32			15	16	15	16	15	16		
18	11/16			15	17	15	17	15	17		
19	3/4			16	18	16	18	16	18		
20	25/32			17	19	17	19	17	19		
21	13/16			18	20	18	20	18	20		
22	7/8			19	21	19	21	19	21		
23				20	22	20	22	20	22		
24	15/16			21	23	21	23	21	23		
25 26	1					22	24 25	22 23	24 25		
27	1- 1/16					23	26	23	26	23	
28	1- 1/10					24	27	24	27	24	
29	1- 1/8					24	28	24	28	24	
30	1- 3/16					25	29	25	29	25	
31						26	30	26	30	26	
32	1- 1/4					27	31	27	31	27	
33	1- 5/16							28	32	28	
34								29	33	29	
35	1- 3/8							30	34	30	
36	1 7/10							31	35	31	
37 38	1- 7/16 1- 1/2							31 32	36 37	31 32	
39	1- 1/2							32	38	32	
40	1- 9/16							33	39	33	
41	1- 5/8							34	40	34	
42								34	41	34	
43	1-11/16							35	42	35	
44	1- 3/4							36	43	36	
45								36	44	36	
46	1-13/16							37	45	37	
47								38	46	38	
48	1- 7/8							38	47	38	
E0.	1-15/16							39	48	39	
50	2 1/16							40 40	49	40	
	2- 1/16							40			





# **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



Soc	ket							Met	ric sizes	;				American sizes										English sizes								
Ope		sw		_					diamet						Thread diameters										_	Diam						
		mm	IS R2 19	72- 68	Germar	n Sta	anda	ard	French Standard	Swed	ish S	tanda	ırds	_	IS R272-															W	BS	
in 1)	on 2)	nch			me	tric		17	3					of Wrench					nal ies			Ν	luts		В	olts a	and Screw	3	Nuts		65	inch
minimum dimension	maximum dimension	of wrench	agon	_			2		27-111-19303			ge	all	of W															rew	ge	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
dime	n dim	size (	standard hexagon	small hexagon	2)	564	DIN6914+6915	Danish Stand DS	111-1	rge	nall 14	h large	h small 15	Size			ΑF					_	•		_		e «	Set Screws Square	. Machine Screw Nuts	Whitworth Large	1953 , 196	ross
imum	śimur	nominal size	ndard	all he	DIN2)	DIN561+564	6914	S Hsir	= 27-	Metric large SMS 1412	Metric small SMS 1414	twort S 141	Whitworth 8 SMS 1415	Nominal	Bolts	Nuts	Actual	Bolts	Nuts	Bolts	Nuts	Normal	Square	Heavy	a Normal	Heavy	Machine Screws	et Sc quare	lachir uts	twort	916, 1083	Ith ac
			star	sme	N O	Na Na	N C	Dar	NFE	Met	Met	Whi	Whi	No	ā	Z	₹	m	Z	ă	Z	a a	ග b	C	d	i e	≥ ō f	თ თ g	≥z h	Whi	BS	Wid
2.52 3.02	2.58 3.08	3			1 1.2+1.4																											
3.22	3.28	3.2	1.6		1.6									1/8	No2												No2+3					
3.52 4.01	3.60 4.14	3.5			1.7									5/32		No0+1		-		$\dashv$		$\dashv$							No0+1			
4.02 4.52	4.12 4.62	4 4.5	2		2 2.3				2.5		2.3													$\exists$								
4.83 5.02	4.95 5.12	5	2.5		2.5+2.6				3		3			3/16	No3.4+5	No2+3	19			4		4					No4+5	No10	No2+3			
5.21 5.52	5.33 5.62				3									13/64				_		7		7	4	$\dashv$								
5.59	5.72 6.13	-												7/32 15/64						$\dashv$		$\dashv$						No12				
6.03	6.15	6			3.5				3.5	3	3.5			1/4	No6+8	No4	25										No6+8	1/4	No4			
6.60	6.70 6.97													17/64	1400+0	1104	2.5										1400+0	1/-	1104	1/16		.256
7.03	7.15 7.32	7	4		4				4+4.5	3.5	4			9/32											No10							
7.60	7.70																			_		_			NOTO					3/32		.297
7.62 8.03	7.77 8.18													19/64 5/16	No10+12	No5+6	31										No10+12	5/16	No5+6			
8.03 8.41	8.15 8.56	8	5		5	6			5	4	5			21/64						1		1										
8.70 8.81	8.80 8.97													11/32		No8	34												No8	1/8	3/16	.340
9.03	9.15 9.75				6				5.5	5				3/8		No10	38								<b>≋1/4</b>		1/4	3/8	No10			
10.04	10.19 10.55	10	6		6	8			6		6			13/32						$\dashv$		$\dashv$										
11.04 11.18	11.19 11.33	11	7		7			1/4		6	7		1/4	7/16	1/4	No12.1/4	44	1/4	1/4	-		1/4	1/4	$\exists$	1/4			7/16	No12.1/4			
11.38 11.99	11.45 12.14													15/32				$\dashv$	-	$\dashv$		$\dashv$								3/16	1/4	.445
12.04 12.80	12.24 12.95	12		8					7		8			1/2	5/16	5/16	50	5/16	5/16	7	1/4	5/16		1/4	5/16		5/16	1/2				
13.04 13.44	13.24	13	8		8	10						1/4	5/16																	1/4	5/16	.525
13.60	13.77	14		10	8°)			5/16	8	8				17/32																		
14.38	14.55			10	10°)			5/10			10	5/16	2/0	9/16	3/8	3/8	56	3/8	3/8	5	5/16	3/8 5	5/16	5/16	3/8		3/8	9/16	5/16			
15.18	15.36	15			10)						10	3/10	3/0	19/32																E/40	0/0	000
15.34	16.15	10	0		-1 144									5/8	7/16		62	7/16				1	3/8		7/16			5/8	3/8	5/16	3/8	.600
16.77	16.95				olug M10				9					21/32																		
17.58	17.30 17.75					12		3/8	10	10				11/16		7/16	69		7/16		3/8	7/16		3/8								
18.16	18.29				plug M1						12	3/8	7/16																	3/8	7/16	.710
19.18		19	12	14	12	16		7/16	11					3/4	1/2	1/2	75	1/2	1/2	7	7/16	1/2	7/16	7/16	1/2			3/4				
	20.36	20												25/32																		
	21.16	20.8	Sp	ark	plug M1	4x1.	.25							13/16	9/16		81	9/16		$\pm$		$\pm$	1/2		9/16							
20.95 21.06	21.36								12		14	7/16	1/2																	7/16	1/2	.820
22.35	22.36 22.56		14	16	14		12	1/2		12+14				7/8		9/16	88		9/16	1/2	1/2	9/16	9/16	1/2				7/8				
23.06 23.52	23.36 23.67					Ē		E	14			1/2								$\exists$		$\exists$								1/2	9/16	.920
	24.36	24	16	18	16	20		E			16		5/8	15/16	5/8	5/8	94	5/8	5/8	_		5/8	- 9	9/16	5/8							
24.76														31/32				$\exists$	-	$\exists$	$\exists$	$\exists$		-								
25.55 25.81	25.78													1			100		$\dashv$	7	$\dashv$	7	5/8	$\exists$		Н		1		9/16	5/8	1.010
26.08					plug M1 18	8x1.		5/8		16	18									7		7								-		
27.13 28.12	27.36	Ë						-						1 1/16			106		-	5/8	5/8	1		5/8						5/8	11/16	1.100
	28.48	28										5/8	3/4	1 1/8	3/4	3/4	112	3/4	3/4	1		3/4	3/4		3/4			1 1/8		5/5	, 10	
29.08	29.48 30.48		20	20	20	24			18		20			1 1/0	3/4	3/4	114	0/4	JIH	_		JI4	JIH		J/+			1 1/0				
30.08 30.34 30.66	30.59	50	۷		20	24					20			1 3/16						+		+								11/16	2//	1 200
31.93	32.18	00	20	04	00		00	0/4	00	10.00	00			1 1/4			125			3/4	3/4			3/4				1 1/4		11/16	3/4	1.200
33.08	32.48		22	24	22		20	3/4	20	18+20	22	3/4	7/8																	0//	7/0	1.000
33.22	33.81	6 .									6:			1 5/16	7/8	7/8	131	7/8	7/8			7/8	7/8		7/8					3/4	//8	1.300
35.10	34.48 35.60								22		24									$\exists$		$\exists$										
35.13 35.51	35.71													1 3/8						$\perp$		$\perp$						1 3/8		13/16	15/16	1.390
36.10	36.60	36	24	27	24	30	22	7/8		22+24										I	I	I										

## **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



0	-14	Metric sizes												American sizes												English sizes						
Soc Ope		SW						Threac															diame							_	d Diam	262
		mm	IS R2 19	O 72- 68	Ger	man	Sta	ndard	French Standard	Sw	edish	Stand	lards	_	IS R272	O -1962														W	BS	
n 1)	n 2)	nch r			r	netri	С	17						renct					mal ries	He			Nuts		Bolt	s and	Screv	vs	Nuts		35	nch
minimum dimension 1)	maximum dimension	nominal size of wrench	standard hexagon	small hexagon	DIN2)	DIN561+564	DIN6914+6915	Danish Stand DS 1	NFE 27-111-19303)	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413	Whitworth small SMS 1415		Bolts	Nuts	Actual A/F	Bolts	Nuts	Bolts	Nuts	w Normal	ச Square	о Неаvy	o Normal	Ф Неаvy	Machine Screws	ی Set Screws Square	→ Machine Screw → Nuts	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
36.73 37.10	37.01 37.60	37										7/8	1	1 7/16			144			7/8	7/8			7/8		7/8						
37.82 38.10 38.30 39.89	38.05 38.60 38.61 40.20								24					1 1/2	1	1	150	1	1			1	1		1			1 1/2		7/8	1	1.480
40.36	40.59 41.60	41	27	20	27		24	1		27																				15/16	1 1/16	1.580
41.10 41.50 42.10	41.81 42.60		21	30	21		24		27	21		1	1 1/8	1 5/8			162			1	1			1		1						
42.67 43.08	42.93 43.38													1 11/16	1 1/8	1 1/8	160	1 1/8	1 1/8			1 1/8	1 1/8		1 1/8					1	1 1/8	1.670
44.70	45.03													1 3/4	1 1/0	1 1/0	100	1 1/0	1 1/0			1 1/0	1 1/0		1 1/0							
46.10 46.28 47.10			30	33	30	36	27	1 1/8	30	30		1 1/8	1 1/4	1 13/16	i		181			1 1/8	1 1/8			1 1/8		1 1/8						
47.52 47.88	47.80 48.21													1 7/8	1 1/4	1 1/4	188	1 1/4	1 1/4			1 1/4	1 1/4		1 1/4					1 1/8	1 1/4	1.860
50.10 51.08	50.60 51.44	50	33	36	33			1 1/4	33	33				2			200			1 1/4	1 1/4			1 1/4		1 1/4						
52.10 52.37	52.60 52.68	52										1 1/4	1 3/8																	1 1//	1 3/8	2.050
52.68	53.04													2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8					1 1/4	1 0/0	2.000
54.12 54.25	54.72 54.61	54							36					2 1/8																		
55.12 55.88	55.72 56.26	55	36	39	36	42		1 3/8		36				2 3/16			219			1 3/8	1 3/8			1 3/8		1 3/8						
56.12	56.72	56										1 3/8	1 1/2	2 0/10			210			1 0/0	1 0/0			1 0/0		1 0/0						
56.72 57.45	57.05 57.84													2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2					1 3/8	1 1/2	2.220
58.12 60.12	58.72 60.72		39		39			1 1/2	39	39		1 1/2	1 5/8																			
60.66	61.06	00	00		00			1 1/2		- 00		1 1/2	1 0/0	2 3/8			238			1 1/2	1 1/2			1 1/2		1 1/2				1 1/0		0.440
61.57	62.64	-												2 7/16												1 5/8				1 1/2	1 5/8	2.410
63.12 63.83									42					2 1/2																		
65.12 65.43	65.72 65.86	65	42		42	48		1 3/8		42		1 5/8	1 3/4	2 9/16			256							1 5/8		1 5/8					$\vdash$	
65.91 67.03	66.29 67.46														1 3/4	1 0/4		1 3/4	1 9/4						1 3/4					1 5/8	1 3/4	2.580
67.12	67.72								45					2 3/0	1 3/4	1 3/4	202	1 3/4	1 0/4						1 3/4							
70.12 70.26	70.72 70.69	70	45		45			1 3/4		45		1 3/4	1 7/8	2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4						
70.51 71.12	70.92 71.72	71							48																					1 3/4	2	2.760
71.81	72.26								70					2 13/16			004							4 7/0	1 7/8	1 7/0						
75.03 75.15	75.85	75	48		48	56		1 7/8		48		1 7/8	2	2 15/16			294							1 7/8		1 7/8						
76.61 77.15	77.09 77.85	77	Н						52					3	2	2	300	2	2						2							
79.81	80.31 80.85				52			2	52		2			3 1/8			312			2	2			2		2						
80.47	80.92		JŁ		JŁ																									2	2 1/4	3.150
	82.85 85.85		56		56			2 1/4	56																							
	86.72 88.85		H						60					3 3/8											2 1/4							
89.36	89.92 90.85		60		60									3 1/2										2 1/4		2 1/4						
90.60	91.00		UU		60																										2 1/2	3.550
	94.85 95.85		64		64			2 1/2	64																							
95.76	96.34 99.52													3 3/4 3 7/8										2 1/2	2 1/2	2 1/2						
99.20	99.60													0 110										۷ ۱۱۷		2 112					2 3/4	3.890
	100.85 106.00				68 72			2 3/4	68 72				<u> </u>					<u> </u>		<u> </u>												
105.33	105.67 107.00		H											4 1/8										2 3/4							3	4.180
108.51	109.14		00		70			0	70					4 1/4										2 3/4								
114.91	111.00 115.57				76			3	76					4 1/2											3							
	116.00 117.00				80				80																				<u> </u>			
118.08					85			3 1/4						4 5/8										3		3						
	ax-min,			ons		netri	c siz		ordina	to DIN	∟ J 475/	2 seri	ies 1		1		a) He	ı ex Flat	and F	lex F	lat Ja	m Nu	ts		d)	Squar	e Bolt	s				

a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Slotted Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
b) Square Nuts
c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts
Heavy Hex Slotted Nuts

ANSI B 18.2.2-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

ANSI B 18.2.1-1972

f) ANSI B 18.6.3-1962 g) ANSI B 18.6.2-1956 h) ANSI B 18.6.3-1962

\* Square Bolt and Lag Screw only

<sup>1)</sup> max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963



lon	Hexa	gon Head	d Bolt	Hexag C	on Socke ap Screw	et Head vs	ТО	RX	TORX	PLUS	Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)						
Screw dimension	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Serews	т	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9		
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54		
M2.5	5			2		1.3	Т8		8IP		М3		0.25	0.49	0.65	0.92	1.1		
М3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	М3		0.43	0.87	1.16	1.63	1.96		
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08		
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54		
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18		
М6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	М6	LH6S	3.47	6.97	9.27	13	15.6		
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2		
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9		
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2		
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131		
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209		
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325		
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447		
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635		
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865		
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100		
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610		
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180		
М33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970		
М36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810		
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930		
M42	65 (63)			32									1350	2710	3610	5080	6080		
M45	70 (67)			(32)									1700	3400	4540	6370	7630		
M48	75 (71)			36									2030	4060	5440	7620	9120		
M52	80 (77)			(36)									2640	5290	7040	9880	11800		
M56	85			41									3270	6560	8710	12300	14800		
M60	90												4080	8180	10900	15300	18300		
M64	95			46									4930	9890	13100	18500	22300		
M68	(100)												5970	12000	16000	22500	27000		

\*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

<sup>\*</sup> Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2 Axial Force (Ff) : 60% of Proof Strength( $\sigma$ )



#### TORXº/TORXbless BITS

	S1 S1	S1 (mm)	S2 (mm)
Т6	6IP	1.7	1.2
T7	7IP	2.0	1.4
Т8	8IP	2.3	1.7
Т9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

#### **PENTA-LOBE BITS**

S <sub>1</sub>	S1 (mm)	S2 (mm)
8PR	2.2	2.0
9PR	2.4	2.2
10PR	2.6	2.4
15PR	3.1	2.8
20PR	3.6	3.3
25PR	4.1	3.8
27PR	4.7	4.3
30PR	5.2	4.8
40PR	6.3	5.7
45PR	7.4	6.7
50PR	8.4	7.6
55PR	10.6	9.7

#### **XZN BITS**

S <sub>2</sub> S <sub>1</sub>	S1 (mm)	S2 (mm)
M4	3.6	3.1
M5	4.8	4.1
М6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2

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#### TORXº/ TORXplase SOCKETS

S: S2		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

#### ਪਮstiix®(LH-S) SOCKETS

S1   S2	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

#### **Ribe CV BITS**

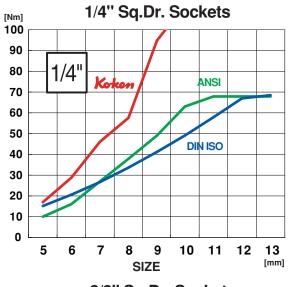
THISC OV BITO			
S <sub>2</sub> W	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

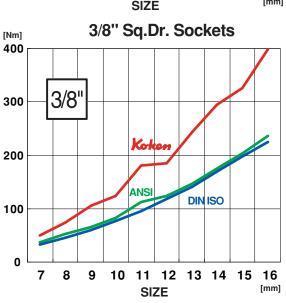
Kon	kon	0"	Conver	sion Ta	ıble: Am	nerican 4"	Inches-	Decima 6"	I Inches	s-Millim 8"	eter 9"	10"	11"
in	dec.in.	0	25.4000	50.8000	76.2000	101.6000	Millimeter(m	m) 152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64 1/32	0.01563 0.03125	0.3969 0.7938	25.7969 26.1938	51.1969 51.5938	76.5969 76.9938	101.9969	127.3969 127.7938	152.7969 153.1938	178.1969 178.5938	203.5969 203.9938	228.9969 229.3938	254.3969 254.7938	279.7969 280.1938
3/64	0.03123	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64 3/16	0.17188	4.3656 4.7625	29.7656 30.1625	55.1656 55.5625	80.5656 80.9625	105.9656 106.3625	131.3656 131.7625	156.7656 157.1625	182.1656 182.5625	207.5656	232.9656 233.3625	258.3656 258.7625	283.7656 284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281 9.5250	34.5281	59.9281 60.3250	85.3281	110.7281 111.1250	136.1281	161.5281 161.9250	186.9281	212.3281 212.7250	237.7281 238.1250	263.1281	288.5281 288.9250
3/8 25/64	0.39063	9.9219	34.9250 35.3219	60.7219	85.7250 86.1219	111.5219	136.5250 136.9219	162.3219	187.3250 187.7219	213.1219	238.5219	263.5250 263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4		19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188		226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125		227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031
in.	dec.in.	12"	13"	14"	15"	16"	17" Millimeter(m	18" m)	19"	20"	21"	22"	23"
1/32	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875
3/32	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.1813	586.5813
1/8	0.12500	307.9750	333.3750	358.7750	384.1750	409.5750	434.9750	460.3750	485.7750	511.1750	536.5750	561.9750	587.3750
5/32	0.15625	308.7688	334.1688	359.5688	384.9688	410.3688	435.7688	461.1688	486.5688	511.9688	537.3688	562.7688	588.1688
3/16	0.18750	309.5625	334.9625	360.3625	385.7625	411.1625	436.5625	461.9625	487.3625	512.7625	538.1625	563.5625	588.9625
7/32	0.21875	310.3563	335.7563	361.1563	386.5563	411.9563	437.3563	462.7563	488.1563	513.5563	538.9563	564.3563	589.7563
1/4	0.25000	311.1500	336.5500	361.9500	387.3500	412.7500	438.1500	463.5500	488.9500	514.3500	539.7500	565.1500	590.5500
9/32	0.28125	311.9438	337.3438	362.7438	388.1438	413.5438	438.9438	464.3438	489.7438	515.1438	540.5438	565.9438	591.3438
5/16	0.31250	312.7375	338.1375	363.5375	388.9375	414.3375	439.7375	465.1375	490.5375	515.9375	541.3375	566.7375	592.1375
11/32	0.34375	313.5313	338.9313	364.3313	389.7313	415.1313	440.5313	465.9313	491.3313	516.7313	542.1313	567.5313	592.9313
3/8	0.37500	314.3250	339.7250	365.1250	390.5250	415.9250	441.3250	466.7250	492.1250	517.5250	542.9250	568.3250	593.7250
13/32	0.40625	315.1188	340.5188	365.9188	391.3188	416.7188	442.1188	467.5188	492.9188	518.3188	543.7188	569.1188	594.5188
7/16	0.43750	315.9125	341.3125	366.7125	392.1125	417.5125	442.9125	468.3125	493.7125	519.1125	544.5125	569.9125	595.3125
15/32	0.46875	316.7063	342.1063	367.5063	392.9063	418.3063	443.7063	469.1063	494.5063	519.9063	545.3063	570.7063	596.1063
1/2	0.50000	317.5000	342.9000	368.3000	393.7000	419.1000	444.5000	469.9000	495.3000	520.7000	546.1000	571.5000	596.9000
17/32	0.53125	318.2938	343.6938	369.0938	394.4938	419.8938	445.2938	470.6938	496.0938	521.4938	546.8938	572.2938	597.6938
9/16	0.56250	319.0875	344.4875	369.8875	395.2875	420.6875	446.0875	471.4875	496.8875	522.2875	547.6875	573.0875	598.4875
19/32	0.59375	319.8813	345.2813	370.6813	396.0813	421.4813	446.8813	472.2813	497.6813	523.0813	548.4813	573.8813	599.2813
5/8	0.62500	320.6750	346.0750	371.4750	396.8750	422.2750	447.6750	473.0750	498.4750	523.8750	549.2750	574.6750	600.0750
21/32	0.65625	321.4688	346.8688	372.2688	397.6688	423.0688	448.4688	473.8688	499.2688	524.6688	550.0688	575.4688	600.8688
11/16	0.68750	322.2625	347.6625	373.0625	398.4625	423.8625	449.2625	474.6625	500.0625	525.4625	550.8625	576.2625	601.6625
23/32	0.71875	323.0563	348.4563	373.8563	399.2563	424.6563	450.0563	475.4563	500.8563	526.2563	551.6563	577.0563	602.4563
3/4	0.75000	323.8500	349.2500	374.6500	400.0500	425.4500	450.8500	476.2500	501.6500	527.0500	552.4500	577.8500	603.2500
25/32	0.78125	324.6438	350.0438	375.4438	400.8438	426.2438	451.6438	477.0438	502.4438	527.8438	553.2438	578.6438	604.0438
13/16	0.81250	325.4375	350.8375	376.2375	401.6375	427.0375	452.4375	477.8375	503.2375	528.6375	554.0375	579.4375	604.8375
27/32	0.84375	326.2313	351.6313	377.0313	402.4313	427.8313	453.2313	478.6313	504.0313	529.4313	554.8313	580.2313	605.6313
7/8	0.87500	327.0250	352.4250	377.8250	403.2250	428.6250	454.0250	479.4250	504.8250	530.2250	555.6250	581.0250	606.4250
29/32	0.90625	327.8188	353.2188	378.6188	404.0188	429.4188	454.8188	480.2188	505.6188	531.0188	556.4188	581.8188	607.2188
15/16	0.93750	328.6125	354.0125	379.4125	404.0188 404.8125 405.6063	430.2125	455.6125	481.0125	506.4125	531.8125	557.2125	582.6125 583.4063	608.0125
31/32	0.96875	329.4063	354.8063	380.2063	8dUa.cu#	431.0063	456.4063	481.8063	507.2063	532.6063	558.0063	JOJ.4UbJ	608.8063

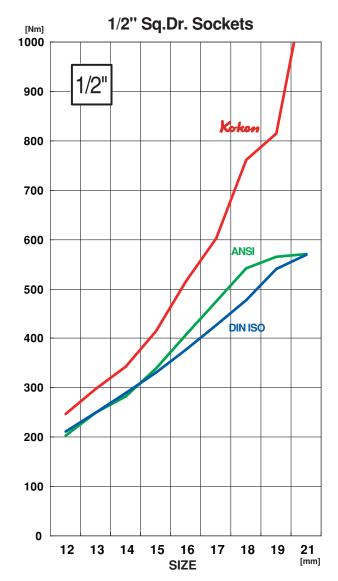


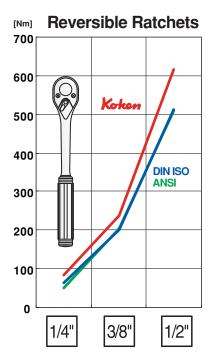


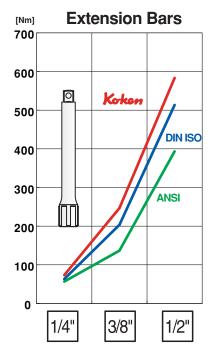


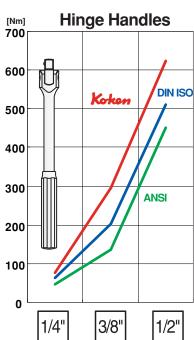












10099A	230	123PN	161, 277	13430M	185	14400-WN	194
100H	158	123PT	161	13440A	185	14400A	191
100P	158	12400A	176	13440M	185	14400M	191
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BD004	278	R810B	151	RS3305A/9	044	RSX025/11-IP	056
BD008E (12P)	274	R810C	151	RS3305M/12	044	RSX025/11-PR	056
BD011SE	275	R810D	151	RS3305M/8	044	S14240M	205
BD0116E	276	R810E	151	RS3305W/7	046	S3240A	073
BD014E	274	RS13025/8	186	RS3305X/8	043	S3240M	073
BD014E-SF	275	RS13301X/9	183	RS3305XA/9	043	S4240A	
		·					099
BD014SE	274	RS13401M/9	180	RS3310M/12	045	S4240M	099
BD014XE-SF	275	RS13401MS/5	179	RS3325/9	046	SP4122	256
BD016E	280	RS14012M/10	198	RS3340M/8-L75	049	SP4300M	256
BD016E-SF	280	RS14025/6	198	RS3350M/5	047	SP4305M	256
BD016JE	280	RS14124/7	267	RS3400A/9	040	ST4027	257
BD016JE-SF	280	RS14301X/10	194	RS3400LH/7	043	TI4261M	132
BD017E	276	RS14401M/10	192	RS3400M/12	040		
BD018	276	RS2010A/8	027	RS3400M/8	040		
DDOOO	168	RS2010M/7	027	RS3400MZ/12	123		
BD022	077	R\$2025/7	028	RS3400MZ/8	123		
BD022 BD023E	277				0.44		
	277	RS2025/7-H0LE	028	RS3400W/7	041		
BD023E			028 029	RS3400W/7 RS3405A/9	041		
BD023E BD024E	277	RS2025/7-H0LE					
BD023E BD024E BD14400MJ	277 280	RS2025/7-H0LE RS2025/7-IP	029	RS3405A/9	040		
BD023E BD024E BD14400MJ CLIP.P/5-1/2 CLIP.P/5-1/4	277 280 128 128	R\$2025/7-HOLE R\$2025/7-IP R\$2025/7-PR R\$2025Z/7	029 029 121	RS3405A/9 RS3405M/12 RS3405M/8	040 040 040		
BD023E BD024E BD14400MJ CLIP.P/5-1/2	277 280 128	RS2025/7-H0LE RS2025/7-IP RS2025/7-PR	029 029	RS3405A/9 RS3405M/12	040 040		

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